Jonathan A Ellman

List of Publications by Citations

357 papers	33,708 citations	95 h-index	173 g-index
378 ext. papers	36,018 ext. citations	10 avg, IF	7.72 L-index

#	Paper	IF	Citations
357	Rhodium-catalyzed C-C bond formation via heteroatom-directed C-H bond activation. *Chemical Reviews*, **2010**, 110, 624-55	68.1	3263
356	Synthesis and Applications of Small Molecule Libraries. *Chemical Reviews*, **1996**, 96, 555-600	68.1	1304
355	Rhodium catalyzed chelation-assisted C-H bond functionalization reactions. *Accounts of Chemical Research*, **2012**, 45, 814-25	24.3	1234
354	Direct functionalization of nitrogen heterocycles via Rh-catalyzed C-H bond activation. *Accounts of Chemical Research*, **2008**, 41, 1013-25	24.3	882
353	Synthesis and applications of tert-butanesulfinamide. *Chemical Reviews*, **2010**, 110, 3600-740	68.1	851
352	N-tert-butanesulfinyl imines: versatile intermediates for the asymmetric synthesis of amines. *Accounts of Chemical Research*, **2002**, 35, 984-95	24.3	697
351	Transition-Metal-Catalyzed C-H Bond Addition to Carbonyls, Imines, and Related Polarized □Bonds. *Chemical Reviews*, **2017**, 117, 9163-9227	68.1	469
350	Synthesis of Enantiomerically Pure N-tert-Butanesulfinyl Imines (tert-Butanesulfinimines) by the Direct Condensation of tert-Butanesulfinamide with Aldehydes and Ketones. *Journal of Organic Chemistry*, **1999**, 64, 1278-1284	4.2	435
349	Catalytic Asymmetric Synthesis of tert-Butanesulfinamide. Application to the Asymmetric Synthesis of Amines. *Journal of the American Chemical Society*, **1997**, 119, 9913-9914	16.4	420
348	A general and expedient method for the solid-phase synthesis of 1,4-benzodiazepine derivatives. *Journal of the American Chemical Society*, **1992**, 114, 10997-10998	16.4	406
347	The asymmetric synthesis of .alpha.-amino acids. Electrophilic azidation of chiral imide enolates, a practical approach to the synthesis of (R)- and (S)-.alpha.-azido carboxylic acids. *Journal of the American Chemical Society*, **1990**, 112, 4011-4030	16.4	380
346	Cobalt(III)-catalyzed synthesis of indazoles and furans by C-H bond functionalization/addition/cyclization cascades. *Journal of the American Chemical Society*, **2015**, 137, 490-8	16.4	369
345	Synthesis of dihydropyridines and pyridines from imines and alkynes via C-H activation. *Journal of the American Chemical Society*, **2008**, 130, 3645-51	16.4	356
344	Fmoc-Based Synthesis of Peptide-□hioesters:´Application to the Total Chemical Synthesis of a Glycoprotein by Native Chemical Ligation. *Journal of the American Chemical Society*, **1999**, 121, 11684-11689	16.4	337
343	Catalytic C-O bond cleavage of 2-aryloxy-1-arylethanols and its application to the depolymerization of lignin-related polymers. *Journal of the American Chemical Society*, **2010**, 132, 12554-5	16.4	314
342	Catalytic Asymmetric Oxidation of tert-Butyl Disulfide. Synthesis of tert-Butanesulfinamides, tert-Butyl Sulfoxides, and tert-Butanesulfinimines. *Journal of the American Chemical Society*, **1998**, 120, 8011-8019	16.4	309
341	Substrate profiling of cysteine proteases using a combinatorial peptide library identifies functionally unique specificities. *Journal of Biological Chemistry*, **2006**, 281, 12824-32	5.4	304

340	Rh(I)-catalyzed alkylation of quinolines and pyridines via C-H bond activation. *Journal of the American Chemical Society*, **2007**, 129, 5332-3	16.4	292
339	Asymmetric synthesis of chiral amines by highly diastereoselective 1,2-additions of organometallic reagents to N-tert-butanesulfinyl imines. *Tetrahedron*, **1999**, 55, 8883-8904	2.4	292
338	Rh(I)-catalyzed direct arylation of pyridines and quinolines. *Journal of the American Chemical Society* , **2008**, 130, 14926-7	16.4	281
337	Rhodium(III)-catalyzed arylation of Boc-imines via C-H bond functionalization. *Journal of the American Chemical Society*, **2011**, 133, 1248-50	16.4	274
336	Expedient synthesis of N-acyl anthranilamides and enamine amides by the Rh(III)-catalyzed amidation of aryl and vinyl C-H bonds with isocyanates. *Journal of the American Chemical Society*, **2011**, 133, 11430-3	16.4	270
335	Rh(III)-catalyzed oxidative coupling of unactivated alkenes via C-H activation. *Organic Letters*, **2011**, 13, 540-2	6.2	260
334	Highly efficient and enantioselective cyclization of aromatic imines via directed C-H bond activation. *Journal of the American Chemical Society*, **2004**, 126, 7192-3	16.4	256
333	Design, Synthesis, and Evaluation of Small-Molecule Libraries. *Accounts of Chemical Research*, **1996**, 29, 132-143	24.3	256
332	Peptide microarrays for the determination of protease substrate specificity. *Journal of the American Chemical Society*, **2002**, 124, 14868-70	16.4	248
331	Rhodium(III)-catalyzed indazole synthesis by C-H bond functionalization and cyclative capture. *Journal of the American Chemical Society*, **2013**, 135, 7122-5	16.4	247
330	Activation Method to Prepare a Highly Reactive Acylsulfonamide Safety-Catch Linker for Solid-Phase Synthesis1. *Journal of the American Chemical Society*, **1996**, 118, 3055-3056	16.4	239
329	Recent Highlights and Perspectives on Acene Based Molecules and Materials. *Chemistry of Materials*, **2014**, 26, 4046-4056	9.6	237
328	Synthesis of positional-scanning libraries of fluorogenic peptide substrates to define the extended substrate specificity of plasmin and thrombin. *Nature Biotechnology*, **2000**, 18, 187-93	44.5	223
327	Rh(I)-catalyzed arylation of heterocycles via C-H bond activation: expanded scope through mechanistic insight. *Journal of the American Chemical Society*, **2008**, 130, 2493-500	16.4	222
326	Asymmetric Synthesis of Dibranched Amines by the Trimethylaluminum-Mediated 1,2-Addition of Organolithiums to tert-Butanesulfinyl Ketimines. *Journal of the American Chemical Society*, **1999**, 121, 268-269	16.4	213
325	Arylation of heterocycles via rhodium-catalyzed C-H bond functionalization. *Organic Letters*, **2004**, 6, 35-8	6.2	201
324	A Silicon-Based Linker for Traceless Solid-Phase Synthesis. *Journal of Organic Chemistry*, **1995**, 60, 6006-6007	4.2	200
323	Total synthesis of (+)-lithospermic acid by asymmetric intramolecular alkylation via catalytic C-H bond activation. *Journal of the American Chemical Society*, **2005**, 127, 13496-7	16.4	199

322	Carbon-Carbon Bond-Forming Methods on Solid Support. Utilization of Kenner's "Safety-Catch" Linker. *Journal of the American Chemical Society*, **1994**, 116, 11171-11172	16.4	191
321	An Alkanesulfonamide "Safety-Catch" Linker for Solid-Phase Synthesis. *Journal of Organic Chemistry*, **1999**, 64, 2322-2330	4.2	189
320	Asymmetric copper-catalyzed synthesis of alpha-amino boronate esters from N-tert-butanesulfinyl aldimines. *Journal of the American Chemical Society*, **2008**, 130, 6910-1	16.4	184
319	Straightforward and general method for coupling alcohols to solid supports. *Tetrahedron Letters*, **1994**, 35, 9333-9336	2	181
318	Diastereoselective and enantioselective Rh(I)-catalyzed additions of arylboronic acids to N-tert-butanesulfinyl and N-diphenylphosphinoyl aldimines. *Journal of the American Chemical Society*, **2005**, 127, 1092-3	16.4	180
317	Experimental and computational studies on the mechanism of N-heterocycle C-H activation by Rh(I). *Journal of the American Chemical Society*, **2006**, 128, 2452-62	16.4	179
316	A general and efficient route for chemical aminoacylation of transfer RNAs. *Journal of the American Chemical Society*, **1991**, 113, 2722-2729	16.4	177
315	Intermediacy of an N-heterocyclic carbene complex in the catalytic C-H activation of a substituted benzimidazole. *Journal of the American Chemical Society*, **2002**, 124, 3202-3	16.4	172
314	Enantioselective aza-Henry reaction with an N-sulfinyl urea organocatalyst. *Journal of the American Chemical Society*, **2007**, 129, 15110-1	16.4	171
313	Facile synthesis of unsymmetrical acridines and phenazines by a Rh(III)-catalyzed amination/cyclization/aromatization cascade. *Journal of the American Chemical Society*, **2013**, 135, 12548-51	16.4	163
312	Potent, low-molecular-weight non-peptide inhibitors of malarial aspartyl protease plasmepsin II. *Journal of Medicinal Chemistry*, **1999**, 42, 1428-40	8.3	162
311	A General Solid-Phase Synthesis Strategy for the Preparation of 2-Pyrrolidinemethanol Ligands. *Journal of Organic Chemistry*, **1995**, 60, 7712-7713	4.2	158
310	Mechanism of the rhodium(III)-catalyzed arylation of imines via C-H bond functionalization: inhibition by substrate. *Journal of the American Chemical Society*, **2012**, 134, 1482-5	16.4	157
309	Solid-Phase Synthesis of 1,4-Benzodiazepine-2,5-diones. Library Preparation and Demonstration of Synthesis Generality. *Journal of Organic Chemistry*, **1997**, 62, 1240-1256	4.2	156
308	Tuneable Singlet Exciton Fission and Triplet–Triplet Annihilation in an Orthogonal Pentacene Dimer. *Advanced Functional Materials*, **2015**, 25, 5452-5461	15.6	155
307	Rhodium(III)-catalyzed alkenyl C-H bond functionalization: convergent synthesis of furans and pyrroles. *Angewandte Chemie - International Edition*, **2013**, 52, 629-33	16.4	154
306	The tert-Butanesulfinyl Group: An Ideal Chiral Directing Group and Boc-Surrogate for the Asymmetric Synthesis and Applications of beta-Amino Acids. *Journal of Organic Chemistry*, **1999**, 64, 12-13	4.2	154
305	Asymmetric synthesis of beta-amino acid derivatives incorporating a broad range of substitution patterns by enolate additions to tert-butanesulfinyl imines. *Journal of Organic Chemistry*, **2002**, 67, 7819-32	4.2	149

304	Solid-Phase Synthesis of Structurally Diverse 1,4-Benzodiazepine Derivatives Using the Stille Coupling Reaction. *Journal of the American Chemical Society*, **1995**, 117, 3306-3307	16.4	148
303	Enantioselective addition of thioacetic acid to nitroalkenes via N-sulfinyl urea organocatalysis. *Journal of the American Chemical Society*, **2009**, 131, 8754-5	16.4	147
302	Development and application of a new general method for the asymmetric synthesis of syn- and anti-1,3-amino alcohols. *Journal of the American Chemical Society*, **2003**, 125, 11276-82	16.4	145
301	Cobalt(III)-Catalyzed C-H Bond Amidation with Isocyanates. *Organic Letters*, **2015**, 17, 2400-3	6.2	140
300	An expedient and high-yielding method for the solid-phase synthesis of diverse 1,4-benzodiazepine-2,5-diones. *Journal of Organic Chemistry*, **1995**, 60, 5742-5743	4.2	140
299	Rhenium-catalyzed didehydroxylation of vicinal diols to alkenes using a simple alcohol as a reducing agent. *Journal of the American Chemical Society*, **2010**, 132, 11408-9	16.4	139
298	NMR Shifts, Orbitals, and M□□H□ Bonding in d8 Square Planar Metal Complexes. *Organometallics*, **2006**, 25, 3515-3519	3.8	137
297	□Turn mimetic library synthesis: scaffolds and applications. *Tetrahedron*, **2001**, 57, 7431-7448	2.4	135
296	Intermolecular coupling of isomerizable alkenes to heterocycles via rhodium-catalyzed C-H bond activation. *Journal of the American Chemical Society*, **2002**, 124, 13964-5	16.4	133
295	Expedient method for the solid-phase synthesis of aspartic acid protease inhibitors directed toward the generation of libraries. *Journal of Medicinal Chemistry*, **1995**, 38, 1427-30	8.3	133
294	High throughput substrate specificity profiling of serine and cysteine proteases using solution-phase fluorogenic peptide microarrays. *Molecular and Cellular Proteomics*, **2005**, 4, 626-36	7.6	132
293	Structure-based design and combinatorial chemistry yield low nanomolar inhibitors of cathepsin D. *Chemistry and Biology*, **1997**, 4, 297-307		130
292	Synthesis of pyridines from ketoximes and terminal alkynes via C-H bond functionalization. *Journal of Organic Chemistry*, **2012**, 77, 2501-7	4.2	127
291	Enantioselective synthesis of a PKC inhibitor via catalytic C-H bond activation. *Organic Letters*, **2006**, 8, 1745-7	6.2	127
290	Germanium and Silicon Linking Strategies for Traceless Solid-Phase Synthesis. *Journal of Organic Chemistry*, **1997**, 62, 2885-2893	4.2	126
289	The total syntheses of the isodityrosine-derived cyclic tripeptides OF4949-III and K-13. Determination of the absolute configuration of K-13. *Journal of the American Chemical Society*, **1989**, 111, 1063-1072	16.4	126
288	Expedient solid-phase synthesis of fluorogenic protease substrates using the 7-amino-4-carbamoylmethylcoumarin (ACC) fluorophore. *Journal of Organic Chemistry*, **2002**, 67, 910-5	4.2	125
287	Asymmetric synthesis of protected arylglycines by rhodium-catalyzed addition of arylboronic acids to N-tert-butanesulfinyl imino esters. *Journal of the American Chemical Society*, **2006**, 128, 6304-5	16.4	124

286	Simultaneous Solid-Phase Synthesis of .beta.-Turn Mimetics Incorporating Side-Chain Functionality. *Journal of the American Chemical Society*, **1994**, 116, 11580-11581	16.4	124
285	Highly Stereoselective Cobalt(III)-Catalyzed Three-Component C-H Bond Addition Cascade. *Angewandte Chemie - International Edition*, **2016**, 55, 12650-4	16.4	123
284	Improved synthesis of tert-butanesulfinamide suitable for large-scale production. *Organic Letters*, **2003**, 5, 1317-20	6.2	121
283	Enantioselective intramolecular hydroarylation of alkenes via directed C-H bond activation. *Journal of Organic Chemistry*, **2008**, 73, 6772-9	4.2	120
282	Asymmetric synthesis of syn- and anti-1,3-amino alcohols. *Journal of the American Chemical Society*, **2002**, 124, 6518-9	16.4	117
281	Stereoselective alkylation of alpha,beta-unsaturated imines via C-H bond activation. *Journal of the American Chemical Society*, **2006**, 128, 5604-5	16.4	112
280	New Discotic Mesogens Based on Triphenylene-Fused Triazatruxenes: Synthesis, Physical Properties, and Self-Assembly. *Chemistry of Materials*, **2010**, 22, 435-449	9.6	110
279	Construction of a light-activated protein by unnatural amino acid mutagenesis. *Journal of the American Chemical Society*, **1991**, 113, 2758-2760	16.4	110
278	Synthesis, Utility, and Structure of Novel Bis(sulfinyl)imidoamidine Ligands for Asymmetric Lewis Acid Catalysis. *Journal of the American Chemical Society*, **2001**, 123, 1539-1540	16.4	109
277	Substrate activity screening: a fragment-based method for the rapid identification of nonpeptidic protease inhibitors. *Journal of the American Chemical Society*, **2005**, 127, 15521-7	16.4	108
276	The total synthesis of tubulysin D. *Journal of the American Chemical Society*, **2006**, 128, 16018-9	16.4	108
275	Highly diastereoselective synthesis of tetrahydropyridines by a C-H activation-cyclization-reduction cascade. *Journal of the American Chemical Society*, **2012**, 134, 4064-7	16.4	106
274	Design of cationic conjugated polyelectrolytes for DNA concentration determination. *Journal of the American Chemical Society*, **2007**, 129, 11134-45	16.4	106
273	Asymmetric alpha-alkylation of N'-tert-butanesulfinyl amidines. Application to the total synthesis of (6R,7S)-7-amino-7,8-dihydro-alpha-bisabolene. *Journal of the American Chemical Society*, **2004**, 126, 15652-3	16.4	106
272	Novel uncomplexed and complexed structures of plasmepsin II, an aspartic protease from Plasmodium falciparum. *Journal of Molecular Biology*, **2003**, 327, 173-81	6.5	106
271	Microwave-assisted C-H bond activation: a rapid entry into functionalized heterocycles. *Organic Letters*, **2003**, 5, 2131-4	6.2	106
270	Preagostic Rh⋯H Interactions and C⋯H Bond Functionalization: A Combined Experimental and Theoretical Investigation of Rhodium(I) Phosphinite Complexes. *Organometallics*, **2005**, 24, 5737-5746	3.8	104
269	Profiling serine protease substrate specificity with solution phase fluorogenic peptide microarrays. *Proteomics*, **2005**, 5, 1292-8	4.8	104

268	Combinatorial Library Approach for the Identification of Synthetic Receptors Targeting Vancomycin-Resistant Bacteria. *Journal of the American Chemical Society*, **1999**, 121, 4898-4899	16.4	102
267	Fragment-based substrate activity screening method for the identification of potent inhibitors of the Mycobacterium tuberculosis phosphatase PtpB. *Journal of the American Chemical Society*, **2007**, 129, 9613-5	16.4	101
266	Asymmetric synthesis of (-)-incarvillateine employing an intramolecular alkylation via Rh-catalyzed olefinic C-H bond activation. *Journal of the American Chemical Society*, **2008**, 130, 6316-7	16.4	100
265	Asymmetric synthesis of protected 1,2-amino alcohols using tert-butanesulfinyl aldimines and ketimines. *Journal of Organic Chemistry*, **2001**, 66, 8772-8	4.2	96
264	Inhibitor of the tyrosine phosphatase STEP reverses cognitive deficits in a mouse model of Alzheimer's disease. *PLoS Biology*, **2014**, 12, e1001923	9.7	95
263	Identification of a new class of nonpeptidic inhibitors of cruzain. *Journal of the American Chemical Society*, **2008**, 130, 6404-10	16.4	95
262	One-pot asymmetric synthesis of tert-butanesulfinyl-protected amines from ketones by the in situ reduction of tert-butanesulfinyl ketimines. *Tetrahedron Letters*, **1999**, 40, 6709-6712	2	95
261	Rhodium(iii)-catalyzed synthesis of phthalides by cascade addition and cyclization of benzimidates with aldehydes. *Chemical Science*, **2012**, 3, 3088-3092	9.4	94
260	Enantioselective oxidation of di-tert-butyl disulfide with a vanadium catalyst: progress toward mechanism elucidation. *Journal of Organic Chemistry*, **2003**, 68, 150-5	4.2	94
259	Nonpeptidic tetrafluorophenoxymethyl ketone cruzain inhibitors as promising new leads for Chagas disease chemotherapy. *Journal of Medicinal Chemistry*, **2010**, 53, 1763-73	8.3	92
258	Identification of a Potent Heterocyclic Ligand To Somatostatin Receptor Subtype 5 by the Synthesis and Screening of β-Turn Mimetic Libraries. *Journal of the American Chemical Society*, **1999**, 121, 1817-1825	16.4	92
257	Rhodium-catalyzed synthesis of branched amines by direct addition of benzamides to imines. *Organic Letters*, **2012**, 14, 2304-7	6.2	91
256	Synthesis of a tricyclic mescaline analogue by catalytic C-H bond activation. *Organic Letters*, **2003**, 5, 1301-3	6.2	91
255	Rh(III)-Catalyzed Aryl and Alkenyl C-H Bond Addition to Diverse Nitroalkenes. *ACS Catalysis*, **2017**, 7, 150-153	13.1	90
254	A nonpeptidic cathepsin S activity-based probe for noninvasive optical imaging of tumor-associated macrophages. *Chemistry and Biology*, **2012**, 19, 619-28		90
253	Catalytic enantioselective synthesis of sulfinate esters through the dynamic resolution of tert-butanesulfinyl chloride. *Journal of the American Chemical Society*, **2004**, 126, 8134-5	16.4	87
252	Synthesis of potent bicyclic bisarylimidazole c-Jun N-terminal kinase inhibitors by catalytic C-H bond activation. *Journal of the American Chemical Society*, **2007**, 129, 490-1	16.4	85
251	Annulation of aromatic imines via directed C-H bond activation. *Journal of Organic Chemistry*, **2005**, 70, 6775-81	4.2	84

250	Approaches to the Synthesis of the Vancomycin Antibiotics. Synthesis of Orienticin C (Bis-dechlorovancomycin) Aglycon. *Journal of the American Chemical Society*, **1997**, 119, 3419-3420	16.4	83
249	Aminopeptidase fingerprints, an integrated approach for identification of good substrates and optimal inhibitors. *Journal of Biological Chemistry*, **2010**, 285, 3310-8	5.4	82
248	Rh(I)-catalyzed direct arylation of azines. *Journal of Organic Chemistry*, **2010**, 75, 7863-8	4.2	81
247	Intermolecular coupling of alkenes to heterocycles via C-H bond activation. *Journal of Organic Chemistry*, **2004**, 69, 7329-35	4.2	81
246	Identification of selective, nonpeptidic nitrile inhibitors of cathepsin s using the substrate activity screening method. *Journal of Medicinal Chemistry*, **2006**, 49, 6298-307	8.3	80
245	The oxidative macrocyclization of phenolic peptides. A biomimetic approach to the synthesis of the vancomycin family of antibiotics. *Journal of the American Chemical Society*, **1989**, 111, 8912-8914	16.4	80
244	Mechanistic study of the oxidative coupling of styrene with 2-phenylpyridine derivatives catalyzed by cationic rhodium(III) via C-H activation. *Journal of the American Chemical Society*, **2013**, 135, 6427-30	16.4	79
243	A Silicon Linker for Direct Loading of Aromatic Compounds to Supports. Traceless Synthesis of Pyridine-Based Tricyclics. *Journal of Organic Chemistry*, **1997**, 62, 6102-6103	4.2	79
242	Asymmetric synthesis of ⊟branched amines via Rh(III)-catalyzed C-H bond functionalization. *Journal of the American Chemical Society*, **2014**, 136, 8520-3	16.4	78
241	One-pot asymmetric synthesis of either diastereomer of tert-butanesulfinyl-protected amines from ketones. *Journal of Organic Chemistry*, **2007**, 72, 626-9	4.2	78
240	The preparation and utility of bis(sulfinyl)imidoamidine ligands for the copper-catalyzed Diels-Alder reaction. *Journal of Organic Chemistry*, **2003**, 68, 3-10	4.2	78
239	Application of Daugulis copper-catalyzed direct arylation to the synthesis of 5-aryl benzotriazepines. *Organic Letters*, **2009**, 11, 1511-4	6.2	77
238	Crystal structures of reversible ketone-Based inhibitors of the cysteine protease cruzain. *Bioorganic and Medicinal Chemistry*, **2003**, 11, 21-9	3.4	77
237	Rh(III)-Catalyzed Diastereoselective C-H Bond Addition/Cyclization Cascade of Enone Tethered Aldehydes. *Chemical Science*, **2016**, 7, 1474-1479	9.4	75
236	Rhodium(III)-Catalyzed Imidoyl C-H Activation for Annulations to Azolopyrimidines. *Organic Letters*, **2018**, 20, 2464-2467	6.2	74
235	Convergent Synthesis of Diverse Tetrahydropyridines via Rh(I)-Catalyzed C-H Functionalization Sequences. *Organic Process Research and Development*, **2014**, 18, 1097-1104	3.9	74
234	Expedient solid-phase synthesis of putative ⊟turn mimetics incorporating the i + 1, i + 2, and i + 3 sidechains. *Tetrahedron Letters*, **1996**, 37, 6961-6964	2	74
233	Modification of acenes for n-channel OFET materials. *Journal of Materials Chemistry C*, **2018**, 6, 3551-3563	7.1	73

232	Asymmetric synthesis of alpha-branched allylic amines by the Rh(I)-catalyzed addition of alkenyltrifluoroborates to N-tert-butanesulfinyl aldimines. *Journal of the American Chemical Society* , **2009**, 131, 3850-1	16.4	72
231	Total synthesis of (-)-aurantioclavine. *Organic Letters*, **2010**, 12, 2004-7	6.2	70
230	Highly functional group compatible Rh-catalyzed addition of arylboroxines to activated N-tert-butanesulfinyl ketimines. *Organic Letters*, **2011**, 13, 3912-5	6.2	69
229	Catalytic enantioselective addition of arylboronic acids to N-boc imines generated in situ. *Organic Letters*, **2007**, 9, 5155-7	6.2	69
228	Novel sulfinyl imine ligands for asymmetric catalysis. *Organic Letters*, **2003**, 5, 545-8	6.2	69
227	Rhodium-catalyzed direct C-H addition of 3,4-dihydroquinazolines to alkenes and their use in the total synthesis of vasicoline. *Journal of Organic Chemistry*, **2006**, 71, 1969-76	4.2	68
226	Recycling the tert-butanesulfinyl group in the synthesis of amines using tert-butanesulfinamide. *Journal of Organic Chemistry*, **2009**, 74, 2646-50	4.2	67
225	Design, synthesis, and biological properties of highly potent tubulysin D analogues. *Chemistry - A European Journal*, **2007**, 13, 9534-41	4.8	67
224	Asymmetric synthesis of pre-protected □disubstituted amino acids from tert-butanesulfinyl ketimines. *Tetrahedron Letters*, **2001**, 42, 1433-1435	2	67
223	Protein biosynthesis with conformationally restricted amino acids. *Journal of the American Chemical Society*, **1993**, 115, 4359-4360	16.4	67
222	Catalytic enantioselective protonation of nitronates utilizing an organocatalyst chiral only at sulfur. *Journal of the American Chemical Society*, **2012**, 134, 9058-61	16.4	65
221	Stereoselective synthesis of 1,2-disubstituted beta-amino alcohols by nucleophilic addition to N-tert-butanesulfinyl alpha-alkoxyaldimines. *Journal of Organic Chemistry*, **2003**, 68, 9948-57	4.2	65
220	Palladium-Mediated Three-Component Coupling Strategy for the Solid-Phase Synthesis of Tropane Derivatives(1). *Journal of Organic Chemistry*, **1996**, 61, 4494-4495	4.2	64
219	Solid-Phase Synthesis of Diverse E- and F-Series Prostaglandins. *Journal of Organic Chemistry*, **1998**, 63, 2066-2067	4.2	63
218	□Branched amines by catalytic 1,1-addition of C-H bonds and aminating agents to terminal alkenes. *Nature Catalysis*, **2019**, 2, 756-762	36.5	62
217	Enantioselective synthesis of alpha-aryl alkylamines by Rh-catalyzed addition reactions of arylboronic acids to aliphatic imines. *Angewandte Chemie - International Edition*, **2008**, 47, 5623-6	16.4	61
216	Application of P,N-sulfinyl imine ligands to iridium-catalyzed asymmetric hydrogenation of olefins. *Journal of Organic Chemistry*, **2004**, 69, 1800-2	4.2	61
215	Site-specific isotopic labeling of proteins for NMR studies. *Journal of the American Chemical Society*, **1992**, 114, 7959-7961	16.4	61

214	Asymmetric synthesis of protected β-amino boronic acid derivatives with an air- and moisture-stable Cu(II) catalyst. *Journal of Organic Chemistry*, **2014**, 79, 3671-7	4.2	60
213	Proton donor acidity controls selectivity in nonaromatic nitrogen heterocycle synthesis. *Science*, **2013**, 339, 678-82	33.3	59
212	Expedient synthesis of N-methyl tubulysin analogues with high cytotoxicity. *Journal of Organic Chemistry*, **2008**, 73, 4362-9	4.2	59
211	General Solid-Phase Synthesis Approach To Prepare Mechanism-Based Aspartyl Protease Inhibitor Libraries. Identification of Potent Cathepsin D Inhibitors. *Journal of the American Chemical Society*, **1998**, 120, 9735-9747	16.4	59
210	A rapid and general method for the asymmetric synthesis of 2-substituted pyrrolidines using tert-butanesulfinamide. *Organic and Biomolecular Chemistry*, **2005**, 3, 2109-13	3.9	58
209	Novel cathepsin D inhibitors block the formation of hyperphosphorylated tau fragments in hippocampus. *Journal of Neurochemistry*, **2000**, 74, 1469-77	6	58
208	Identification of potent and selective mechanism-based inhibitors of the cysteine protease cruzain using solid-phase parallel synthesis. *Journal of Medicinal Chemistry*, **2002**, 45, 676-84	8.3	58
207	Asymmetric Rh(I)-catalyzed addition of MIDA boronates to N-tert-butanesulfinyl aldimines: development and comparison to trifluoroborates. *Journal of Organic Chemistry*, **2010**, 75, 3147-50	4.2	57
206	Self-condensation of N-tert-butanesulfinyl aldimines: application to the rapid asymmetric synthesis of biologically important amine-containing compounds. *Organic Letters*, **2004**, 6, 3621-4	6.2	57
205	Selective and synergistic cobalt(III)-catalyzed three-component C-H bond addition to dienes and aldehydes. *Nature Catalysis*, **2018**, 1, 673-679	36.5	56
204	Novel inhibitors of alpha 4 beta 1 integrin receptor interactions through library synthesis and screening. *Bioorganic and Medicinal Chemistry Letters*, **1998**, 8, 2297-302	2.9	56
203	Combinatorial strategies for targeting protein families: application to the proteases. *ChemBioChem* , **2002**, 3, 16-37	3.8	56
202	Design, synthesis, and utility of a support-bound tert-butanesulfinamide. *Journal of the American Chemical Society*, **2001**, 123, 10127-8	16.4	56
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