

Eric N Jacobsen

List of Publications by Citations

Source: <https://exaly.com/author-pdf/1414334/eric-n-jacobsen-publications-by-citations.pdf>

Version: 2024-04-20

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

266
papers

44,411
citations

114
h-index

209
g-index

304
ext. papers

47,449
ext. citations

13
avg, IF

7.98
L-index

#	Paper	IF	Citations
266	Small-molecule H-bond donors in asymmetric catalysis. <i>Chemical Reviews</i> , 2007 , 107, 5713-43	68.1	2117
265	Asymmetric catalysis by chiral hydrogen-bond donors. <i>Angewandte Chemie - International Edition</i> , 2006 , 45, 1520-43	16.4	1603
264	Enantioselective epoxidation of unfunctionalized olefins catalyzed by salen manganese complexes. <i>Journal of the American Chemical Society</i> , 1990 , 112, 2801-2803	16.4	1349
263	Asymmetric catalysis with water: efficient kinetic resolution of terminal epoxides by means of catalytic hydrolysis. <i>Science</i> , 1997 , 277, 936-8	33.3	1182
262	Privileged chiral catalysts. <i>Science</i> , 2003 , 299, 1691-3	33.3	1081
261	Asymmetric catalysis of epoxide ring-opening reactions. <i>Accounts of Chemical Research</i> , 2000 , 33, 421-31	24.3	1018
260	Highly selective hydrolytic kinetic resolution of terminal epoxides catalyzed by chiral (salen)Co(III) complexes. Practical synthesis of enantioenriched terminal epoxides and 1,2-diols. <i>Journal of the American Chemical Society</i> , 2002 , 124, 1307-15	16.4	875
259	Highly enantioselective epoxidation catalysts derived from 1,2-diaminocyclohexane. <i>Journal of the American Chemical Society</i> , 1991 , 113, 7063-7064	16.4	844
258	Schiff Base Catalysts for the Asymmetric Strecker Reaction Identified and Optimized from Parallel Synthetic Libraries. <i>Journal of the American Chemical Society</i> , 1998 , 120, 4901-4902	16.4	775
257	Asymmetric ion-pairing catalysis. <i>Angewandte Chemie - International Edition</i> , 2013 , 52, 534-61	16.4	759
256	A Practical Method for the Large-Scale Preparation of [N,N'-Bis(3,5-di-tertbutylsalicylidene)-1,2-cyclohexanediaminato(2-)]manganese(III) chloride, a Highly Enantioselective Epoxidation Catalyst. <i>Journal of Organic Chemistry</i> , 1994 , 59, 1939-1942	4.2	608
255	Asymmetric dihydroxylation via ligand-accelerated catalysis. <i>Journal of the American Chemical Society</i> , 1988 , 110, 1968-1970	16.4	584
254	Attractive noncovalent interactions in asymmetric catalysis: links between enzymes and small molecule catalysts. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010 , 107, 20678-85	11.5	561
253	Practical Considerations in Kinetic Resolution Reactions. <i>Advanced Synthesis and Catalysis</i> , 2001 , 343, 5-26	5.6	546
252	Highly enantioselective catalytic acyl-pictet-spengler reactions. <i>Journal of the American Chemical Society</i> , 2004 , 126, 10558-9	16.4	539
251	Asymmetrische Katalyse durch chirale Wasserstoffbrückendonoren. <i>Angewandte Chemie</i> , 2006 , 118, 1550-1573	3.6	529
250	Structure-based analysis and optimization of a highly enantioselective catalyst for the strecker reaction. <i>Journal of the American Chemical Society</i> , 2002 , 124, 10012-4	16.4	502

249	Highly Enantioselective Ring Opening of Epoxides Catalyzed by (salen)Cr(III) Complexes. <i>Journal of the American Chemical Society</i> , 1995 , 117, 5897-5898	16.4	491
248	Asymmetric catalytic Mannich reactions catalyzed by urea derivatives: enantioselective synthesis of beta-aryl-beta-amino acids. <i>Journal of the American Chemical Society</i> , 2002 , 124, 12964-5	16.4	469
247	Enantioselective Pictet-Spengler-type cyclizations of hydroxylactams: H-bond donor catalysis by anion binding. <i>Journal of the American Chemical Society</i> , 2007 , 129, 13404-5	16.4	464
246	Asymmetric alkene aziridination with readily available chiral diimine-based catalysts. <i>Journal of the American Chemical Society</i> , 1993 , 115, 5326-5327	16.4	458
245	Highly enantioselective direct conjugate addition of ketones to nitroalkenes promoted by a chiral primary amine-thiourea catalyst. <i>Journal of the American Chemical Society</i> , 2006 , 128, 7170-1	16.4	418
244	Asymmetric cooperative catalysis of strong Brønsted acid-promoted reactions using chiral ureas. <i>Science</i> , 2010 , 327, 986-90	33.3	414
243	Asymmetric olefin epoxidation with sodium hypochlorite catalyzed by easily prepared chiral manganese(III) salen complexes. <i>Journal of Organic Chemistry</i> , 1991 , 56, 2296-2298	4.2	405
242	A synthetically useful, self-assembling MMO mimic system for catalytic alkene epoxidation with aqueous H ₂ O ₂ . <i>Journal of the American Chemical Society</i> , 2001 , 123, 7194-5	16.4	397
241	Enantioselective thiourea-catalyzed additions to oxocarbenium ions. <i>Journal of the American Chemical Society</i> , 2008 , 130, 7198-9	16.4	388
240	A General Catalyst for the Asymmetric Strecker Reaction This work was supported by the NIH (GM-43214). A postdoctoral fellowship to M.S.S. (NIH), and a predoctoral fellowship to P.V. sponsored by Alfred Bader are gratefully acknowledged. <i>Angewandte Chemie - International Edition</i> , 2008 , 47, 1273-1274	16.4	388
239	Polymer-Supported Chiral Co(Salen) Complexes: Synthetic Applications and Mechanistic Investigations in the Hydrolytic Kinetic Resolution of Terminal Epoxides. <i>Journal of the American Chemical Society</i> , 1999 , 121, 4147-4154	16.4	366
238	Cooperative, highly enantioselective phosphinothiourea catalysis of imine-allene [3 + 2] cycloadditions. <i>Journal of the American Chemical Society</i> , 2008 , 130, 5660-1	16.4	365
237	The Mechanistic Basis for Electronic Effects on Enantioselectivity in the (salen)Mn(III)-Catalyzed Epoxidation Reaction. <i>Journal of the American Chemical Society</i> , 1998 , 120, 948-954	16.4	362
236	On the Mechanism of Asymmetric Nucleophilic Ring-Opening of Epoxides Catalyzed by (Salen)Cr(III) Complexes. <i>Journal of the American Chemical Society</i> , 1996 , 118, 10924-10925	16.4	360
235	Electronic tuning of asymmetric catalysts. <i>Journal of the American Chemical Society</i> , 1991 , 113, 6703-6704	16.4	358
234	A chiral primary amine thiourea catalyst for the highly enantioselective direct conjugate addition of alpha,alpha-disubstituted aldehydes to nitroalkenes. <i>Angewandte Chemie - International Edition</i> , 2006 , 45, 6366-70	16.4	346
233	Mechanistic investigation leads to a synthetic improvement in the hydrolytic kinetic resolution of terminal epoxides. <i>Journal of the American Chemical Society</i> , 2004 , 126, 1360-2	16.4	339
232	Mechanism of the (Diimine)copper-Catalyzed Asymmetric Aziridination of Alkenes. Nitrene Transfer via Ligand-Accelerated Catalysis. <i>Journal of the American Chemical Society</i> , 1995 , 117, 5889-5890	16.4	333

231	Thiourea-catalyzed enantioselective hydrophosphonylation of imines: practical access to enantiomerically enriched alpha-amino phosphonic acids. <i>Journal of the American Chemical Society</i> , 2004 , 126, 4102-3	16.4	325
230	Cooperative Asymmetric Catalysis with Dimeric Salen Complexes. <i>Journal of the American Chemical Society</i> , 1998 , 120, 10780-10781	16.4	319
229	Highly enantioselective conjugate additions to alpha,beta-unsaturated ketones catalyzed by a (salen)Al complex. <i>Journal of the American Chemical Society</i> , 2005 , 127, 1313-7	16.4	308
228	Enantioselective catalytic addition of HCN to ketoimines. Catalytic synthesis of quaternary amino acids. <i>Organic Letters</i> , 2000 , 2, 867-70	6.2	303
227	Highly active oligomeric (salen)Co catalysts for asymmetric epoxide ring-opening reactions. <i>Journal of the American Chemical Society</i> , 2001 , 123, 2687-8	16.4	291
226	Cooperative dual catalysis: application to the highly enantioselective conjugate cyanation of unsaturated imides. <i>Journal of the American Chemical Society</i> , 2004 , 126, 9928-9	16.4	290
225	Thiourea-catalyzed enantioselective cyanosilylation of ketones. <i>Journal of the American Chemical Society</i> , 2005 , 127, 8964-5	16.4	284
224	Asymmetrische Ionenpaarkatalyse. <i>Angewandte Chemie</i> , 2013 , 125, 558-588	3.6	278
223	Scaleable catalytic asymmetric Strecker syntheses of unnatural alpha-amino acids. <i>Nature</i> , 2009 , 461, 968-70	50.4	274
222	Cooperative Asymmetric Catalysis with Dendrimeric. <i>Angewandte Chemie - International Edition</i> , 2000 , 39, 3604-3607	16.4	273
221	Enantioselective thiourea-catalyzed cationic polycyclizations. <i>Journal of the American Chemical Society</i> , 2010 , 132, 5030-2	16.4	271
220	Enantioselective Addition of Hydrogen Cyanide to Imines Catalyzed by a Chiral (Salen)Al(III) Complex. <i>Journal of the American Chemical Society</i> , 1998 , 120, 5315-5316	16.4	270
219	Highly enantioselective thiourea-catalyzed nitro-Mannich reactions. <i>Angewandte Chemie - International Edition</i> , 2005 , 44, 466-8	16.4	268
218	Asymmetric Hetero-Diels-Alder Reactions Catalyzed by Chiral (Salen)Chromium(III) Complexes. <i>Journal of Organic Chemistry</i> , 1998 , 63, 403-405	4.2	260
217	Enantioselective Michael additions to alpha,beta-unsaturated imides catalyzed by a Salen-Al complex. <i>Journal of the American Chemical Society</i> , 2003 , 125, 11204-5	16.4	248
216	Highly Enantio- and Diastereoselective Hetero-Diels-Alder Reactions Catalyzed by New Chiral Tridentate Chromium(III) Catalysts. <i>Angewandte Chemie - International Edition</i> , 1999 , 38, 2398-2400	16.4	246
215	Tertiary aminourea-catalyzed enantioselective iodolactonization. <i>Angewandte Chemie - International Edition</i> , 2010 , 49, 7332-5	16.4	243
214	Enantioselective thiourea-catalyzed acyl-mannich reactions of isoquinolines. <i>Angewandte Chemie - International Edition</i> , 2005 , 44, 6700-4	16.4	242

213	A practical, highly enantioselective synthesis of the taxol side chain via asymmetric catalysis.. <i>Journal of Organic Chemistry</i> , 1992 , 57, 4320-4323	4.2	242
212	Highly Enantioselective, Low-Temperature Epoxidation of Styrene. <i>Journal of the American Chemical Society</i> , 1994 , 116, 9333-9334	16.4	241
211	Enantioselective catalytic ring opening of epoxides with carboxylic acids. <i>Tetrahedron Letters</i> , 1997 , 38, 773-776	2	239
210	Asymmetric Synthesis of β -Amino Acid Derivatives via Catalytic Conjugate Addition of Hydrazoic Acid to Unsaturated Imides. <i>Journal of the American Chemical Society</i> , 1999 , 121, 8959-8960	16.4	235
209	Photoredox Activation and Anion Binding Catalysis in the Dual Catalytic Enantioselective Synthesis of β -Amino Esters. <i>Chemical Science</i> , 2014 , 5,	9.4	227
208	Highly enantioselective, catalytic conjugate addition of cyanide to alpha,beta-unsaturated imides. <i>Journal of the American Chemical Society</i> , 2003 , 125, 4442-3	16.4	221
207	Weak Brønsted acid-thiourea co-catalysis: enantioselective, catalytic protio-Pictet-Spengler reactions. <i>Organic Letters</i> , 2009 , 11, 887-90	6.2	220
206	Highly Enantioselective, Catalytic Epoxidation of Trisubstituted Olefins. <i>Journal of Organic Chemistry</i> , 1994 , 59, 4378-4380	4.2	216
205	Enantioselective catalytic epoxidation of cinnamate esters. <i>Tetrahedron</i> , 1994 , 50, 4323-4334	2.4	215
204	A practical oligomeric [(salen)Co] catalyst for asymmetric epoxide ring-opening reactions. <i>Angewandte Chemie - International Edition</i> , 2002 , 41, 1374-7	16.4	210
203	Kinetic Resolution of Terminal Epoxides via Highly Regioselective and Enantioselective Ring Opening with TMSN ₃ . An Efficient, Catalytic Route to 1,2-Amino Alcohols. <i>Journal of the American Chemical Society</i> , 1996 , 118, 7420-7421	16.4	210
202	Enantioselective Claisen rearrangements with a hydrogen-bond donor catalyst. <i>Journal of the American Chemical Society</i> , 2008 , 130, 9228-9	16.4	208
201	Chemistry. The simplest "enzyme". <i>Science</i> , 2002 , 298, 1904-5	33.3	208
200	Highly enantioselective epoxidation of disubstituted alkenes with hydrogen peroxide catalyzed by chloroperoxidase. <i>Journal of the American Chemical Society</i> , 1993 , 115, 4415-4416	16.4	204
199	A mechanistic insight leads to a greatly improved osmium-catalyzed asymmetric dihydroxylation process. <i>Journal of the American Chemical Society</i> , 1989 , 111, 1123-1125	16.4	203
198	Enantioselective catalytic alpha-alkylation of aldehydes via an SN1 pathway. <i>Journal of the American Chemical Society</i> , 2010 , 132, 9286-8	16.4	202
197	Carbenoid Transfer to Imines: A New Asymmetric Catalytic Synthesis of Aziridines. <i>Angewandte Chemie International Edition in English</i> , 1995 , 34, 676-678		198
196	Catalytic, asymmetric difluorination of alkenes to generate difluoromethylated stereocenters. <i>Science</i> , 2016 , 353, 51-4	33.3	196

195	Mechanism of amido-thiourea catalyzed enantioselective imine hydrocyanation: transition state stabilization via multiple non-covalent interactions. <i>Journal of the American Chemical Society</i> , 2009 , 131, 15358-74	16.4	193
194	Asymmetric oxidation of sulfides with H ₂ O ₂ catalyzed by (salen)Mn(III) complexes. <i>Tetrahedron Letters</i> , 1992 , 33, 7111-7114	2	193
193	Dual catalysis in enantioselective oxidopyrylium-based [5 + 2] cycloadditions. <i>Journal of the American Chemical Society</i> , 2011 , 133, 14578-81	16.4	192
192	Cooperative catalysis by tertiary amino-thioureas: mechanism and basis for enantioselectivity of ketone cyanosilylation. <i>Journal of the American Chemical Society</i> , 2007 , 129, 15872-83	16.4	189
191	Asymmetric intramolecular arylcyanation of unactivated olefins via C-CN bond activation. <i>Journal of the American Chemical Society</i> , 2008 , 130, 12594-5	16.4	188
190	Practical Access to Highly Enantioenriched C-3 Building Blocks via Hydrolytic Kinetic Resolution. <i>Journal of Organic Chemistry</i> , 1998 , 63, 6776-6777	4.2	184
189	Total synthesis of (+)-ambruticin. <i>Journal of the American Chemical Society</i> , 2001 , 123, 10772-3	16.4	178
188	Catalytic, Diastereoselective 1,2-Difluorination of Alkenes. <i>Journal of the American Chemical Society</i> , 2016 , 138, 5000-3	16.4	168
187	Highly enantioselective inverse-electron-demand hetero-diels-alder reactions of alpha,beta-unsaturated aldehydes. <i>Angewandte Chemie - International Edition</i> , 2002 , 41, 3059-61	16.4	161
186	Discovery of Novel Catalysts for Alkene Epoxidation from Metal-Binding Combinatorial Libraries. <i>Angewandte Chemie - International Edition</i> , 1999 , 38, 937-941	16.4	156
185	Asymmetric Catalytic Synthesis of β -Aryloxy Alcohols: Kinetic Resolution of Terminal Epoxides via Highly Enantioselective Ring-Opening with Phenols. <i>Journal of the American Chemical Society</i> , 1999 , 121, 6086-6087	16.4	154
184	Macrocyclic bis-thioureas catalyze stereospecific glycosylation reactions. <i>Science</i> , 2017 , 355, 162-166	33.3	152
183	Enantioselective ring opening of meso aziridines catalyzed by Tridentate Schiff base chromium(III) complexes. <i>Organic Letters</i> , 1999 , 1, 1611-3	6.2	151
182	Catalytic asymmetric total syntheses of quinine and quinidine. <i>Journal of the American Chemical Society</i> , 2004 , 126, 706-7	16.4	149
181	Asymmetric ring opening of meso epoxides with TMSCN catalyzed by (pybox)lanthanide complexes. <i>Organic Letters</i> , 2000 , 2, 1001-4	6.2	148
180	Catalytic asymmetric total synthesis of (+)-yohimbine. <i>Organic Letters</i> , 2008 , 10, 745-8	6.2	146
179	Dinuclear {(salen)Al} complexes display expanded scope in the conjugate cyanation of alpha,beta-unsaturated imides. <i>Angewandte Chemie - International Edition</i> , 2008 , 47, 1762-5	16.4	145
178	Transition-state charge stabilization through multiple non-covalent interactions in the guanidinium-catalyzed enantioselective Claisen rearrangement. <i>Journal of the American Chemical Society</i> , 2011 , 133, 5062-75	16.4	142

177	Thiourea-catalysed ring opening of episulfonium ions with indole derivatives by means of stabilizing non-covalent interactions. <i>Nature Chemistry</i> , 2012 , 4, 817-24	17.6	141
176	Regio- and enantioselective catalytic cyclization of pyrroles onto N-acyliminium ions. <i>Organic Letters</i> , 2008 , 10, 1577-80	6.2	140
175	The Cation-Interaction in Small-Molecule Catalysis. <i>Angewandte Chemie - International Edition</i> , 2016 , 55, 12596-624	16.4	139
174	Indium-mediated asymmetric allylation of acylhydrazones using a chiral urea catalyst. <i>Angewandte Chemie - International Edition</i> , 2007 , 46, 1315-7	16.4	138
173	Enantioselective formal hydration of alpha,beta-unsaturated imides by Al-catalyzed conjugate addition of oxime nucleophiles. <i>Journal of the American Chemical Society</i> , 2004 , 126, 14724-5	16.4	138
172	Enantioselective intramolecular openings of oxetanes catalyzed by (salen)Co(III) complexes: access to enantioenriched tetrahydrofurans. <i>Journal of the American Chemical Society</i> , 2009 , 131, 2786-7	16.4	137
171	On the Viability of Oxametallacyclic Intermediates in the (salen)Mn-Catalyzed Asymmetric Epoxidation. <i>Angewandte Chemie International Edition in English</i> , 1997 , 36, 1720-1723		135
170	Asymmetric catalysis of hetero-ene reactions with tridentate Schiff base chromium(III) complexes. <i>Journal of the American Chemical Society</i> , 2002 , 124, 2882-3	16.4	134
169	Alpha,beta-unsaturated beta-silyl imide substrates for catalytic, enantioselective conjugate additions: a total synthesis of (+)-lactacystin and the discovery of a new proteasome inhibitor. <i>Journal of the American Chemical Society</i> , 2006 , 128, 6810-2	16.4	129
168	X-Ray Structural Studies of Highly Enantioselective Mn(salen) Epoxidation Catalysts. <i>Chemistry - A European Journal</i> , 1996 , 2, 974-980	4.8	128
167	Enantiomerically Pure Epoxychromans via Asymmetric Catalysis. <i>Tetrahedron Letters</i> , 1991 , 32, 5055-5058		128
166	Effect of Chiral Quaternary Ammonium Salts on (salen)Mn-Catalyzed Epoxidation of cis-Olefins. A Highly Enantioselective, Catalytic Route to Trans-Epoxides. <i>Journal of the American Chemical Society</i> , 1994 , 116, 6937-6938	16.4	127
165	Catalytic enantioselective claisen rearrangements of O-allyl E ketoesters. <i>Angewandte Chemie - International Edition</i> , 2010 , 49, 9753-6	16.4	122
164	Enantioselective formal aza-Diels-Alder reactions of enones with cyclic imines catalyzed by primary aminothiureas. <i>Journal of the American Chemical Society</i> , 2013 , 135, 1891-4	16.4	121
163	Organocatalysis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010 , 107, 20618-9	11.5	120
162	Concerted nucleophilic aromatic substitutions. <i>Nature Chemistry</i> , 2018 , 10, 917-923	17.6	119
161	Highly enantioselective catalytic conjugate addition of N-heterocycles to alpha,beta-unsaturated ketones and imides. <i>Angewandte Chemie - International Edition</i> , 2005 , 44, 2393-7	16.4	119
160	Total Synthesis of Fostriecin (CI-920) We thank Professor Andrew G. Myers and Scott E. Schaus for helpful discussions, and Dr. Alexandra E. Gould and Isabel K. Reichardt for important preliminary experimental work. We also thank Dr. Robert J. Schultz of the Drug Synthesis and Chemistry Branch, Developmental Therapeutics Program, Division of Cancer Treatment and Diagnosis, National Cancer Institute, for a sample of natural fostriecin. This work was supported by the NIH (GM-59316), and by Beinecke Memorial an. <i>Angewandte Chemie - International Edition</i> , 2001 , 40, 3667-3670	16.4	119

- 159 Practical Synthesis of Enantiopure Cyclic 1,2-Amino Alcohols via Catalytic Asymmetric Ring Opening of Meso Epoxides. *Journal of Organic Chemistry*, **1997**, 62, 4197-4199 4.2 118
- 158 A Chiral Primary Amine Thiourea Catalyst for the Highly Enantioselective Direct Conjugate Addition of β -Disubstituted Aldehydes to Nitroalkenes. *Angewandte Chemie*, **2006**, 118, 6514-6518 3.6 118
- 157 Nonstereospecific Mechanisms in Asymmetric Addition to Alkenes Result in Enantiodifferentiation after the First Irreversible Step. *Journal of the American Chemical Society*, **1994**, 116, 425-426 16.4 117
- 156 FR901464: total synthesis, proof of structure, and evaluation of synthetic analogues. *Journal of the American Chemical Society*, **2001**, 123, 9974-83 16.4 116
- 155 Quaternary stereocentres via an enantioconvergent catalytic S₁ reaction. *Nature*, **2018**, 556, 447-451 50.4 115
- 154 Enantioselective acylation of silyl ketene acetals through fluoride anion-binding catalysis. *Journal of the American Chemical Society*, **2011**, 133, 13872-5 16.4 115
- 153 Enantioselective alkylations of tributyltin enolates catalyzed by Cr(salen)Cl: access to enantiomerically enriched all-carbon quaternary centers. *Journal of the American Chemical Society*, **2005**, 127, 62-3 16.4 115
- 152 Enantioselective, thiourea-catalyzed intermolecular addition of indoles to cyclic N-acyl iminium ions. *Angewandte Chemie - International Edition*, **2009**, 48, 6328-31 16.4 110
- 151 Lewis acid enhancement by hydrogen-bond donors for asymmetric catalysis. *Science*, **2017**, 358, 761-764 33.3 106
- 150 Enantioselective, Catalytic Fluorolactonization Reactions with a Nucleophilic Fluoride Source. *Journal of the American Chemical Society*, **2016**, 138, 13858-13861 16.4 101
- 149 Efficient Synthesis of (R)-4-((Trimethylsilyl)oxy)-2-cyclopentenone by Enantioselective Catalytic Epoxide Ring Opening. *Journal of Organic Chemistry*, **1996**, 61, 389-390 4.2 99
- 148 Combinatorial Approach to the Discovery of Novel Coordination Complexes. *Journal of the American Chemical Society*, **1996**, 118, 8983-8984 16.4 98
- 147 Mechanistic basis for high stereoselectivity and broad substrate scope in the (salen)Co(III)-catalyzed hydrolytic kinetic resolution. *Journal of the American Chemical Society*, **2013**, 135, 15595-608 16.4 97
- 146 Combinatorial libraries of transition-metal complexes, catalysts and materials. *Current Opinion in Chemical Biology*, **1998**, 2, 422-8 9.7 96
- 145 Catalytic Diastereo- and Enantioselective Fluoroamination of Alkenes. *Journal of the American Chemical Society*, **2018**, 140, 4797-4802 16.4 95
- 144 Asymmetric Ring Opening of Meso Epoxides with Thiols: Enantiomeric Enrichment Using a Bifunctional Nucleophile. *Journal of Organic Chemistry*, **1998**, 63, 5252-5254 4.2 95
- 143 Enantioselective Thiourea-Catalyzed Acyl-Mannich Reactions of Isoquinolines. *Angewandte Chemie*, **2005**, 117, 6858-6862 3.6 92
- 142 Enantioselective epoxidation of conjugated dienes and enynes. Trans-epoxides from cis-olefins. *Tetrahedron Letters*, **1991**, 32, 6533-6536 2 92

141	Enantioselective thiourea-catalyzed intramolecular cope-type hydroamination. <i>Journal of the American Chemical Society</i> , 2013 , 135, 6747-9	16.4	91
140	Thiourea-catalyzed enantioselective iso-Pictet-Spengler reactions. <i>Organic Letters</i> , 2011 , 13, 5564-7	6.2	91
139	Asymmetric catalysis of the transannular Diels-Alder reaction. <i>Science</i> , 2007 , 317, 1736-40	33.3	91
138	Enantioselective alkylation of acyclic alpha,alpha-disubstituted tributyltin enolates catalyzed by a {Cr(salen)} complex. <i>Angewandte Chemie - International Edition</i> , 2007 , 46, 3701-5	16.4	90
137	Catalytic 1,3-Difunctionalization via Oxidative C-C Bond Activation. <i>Journal of the American Chemical Society</i> , 2017 , 139, 9152-9155	16.4	88
136	Tertiary Aminourea-Catalyzed Enantioselective Iodolactonization. <i>Angewandte Chemie</i> , 2010 , 122, 7490-7493	3.6	87
135	Kinetic Resolution of 1,2-Dihydronaphthalene Oxide and Related Epoxides via Asymmetric C-H Hydroxylation. <i>Journal of the American Chemical Society</i> , 1994 , 116, 12129-12130	16.4	87
134	New oligomeric catalyst for the hydrolytic kinetic resolution of terminal epoxides under solvent-free conditions. <i>Tetrahedron: Asymmetry</i> , 2003 , 14, 3633-3638		86
133	Highly Enantioselective Thiourea-Catalyzed Nitro-Mannich Reactions. <i>Angewandte Chemie</i> , 2005 , 117, 470-472	3.6	85
132	Chromium catalyzed kinetic resolution of 2,2-disubstituted epoxides. <i>Tetrahedron Letters</i> , 1999 , 40, 7303-7306	3.6	85
131	Enantioselective epoxidation of cyclic 1,3-dienes catalyzed by a sterically and electronically optimized (salen)Mn complex. <i>Tetrahedron Letters</i> , 1994 , 35, 669-672	2	85
130	Total Synthesis of Muconin by Efficient Assembly of Chiral Building Blocks. <i>Journal of Organic Chemistry</i> , 1998 , 63, 4876-4877	4.2	84
129	Regio- and Enantioselective Cyclization of Epoxy Alcohols Catalyzed by a [Co(salen)] Complex. <i>Angewandte Chemie - International Edition</i> , 1999 , 38, 2012-2014	16.4	84
128	Kinetic role of the alkaloid ligands in asymmetric catalytic dihydroxylation. <i>Journal of the American Chemical Society</i> , 1989 , 111, 737-739	16.4	80
127	Asymmetric hydrocyanation of hydrazones catalyzed by lanthanide--PYBOX complexes. <i>Organic Letters</i> , 2004 , 6, 153-5	6.2	79
126	General catalytic synthesis of highly enantiomerically enriched terminal aziridines from racemic epoxides. <i>Angewandte Chemie - International Edition</i> , 2004 , 43, 3952-4	16.4	78
125	Regio- and enantioselective catalytic epoxidation of conjugated polyenes. Formal synthesis of LTA4 methyl ester. <i>Journal of Organic Chemistry</i> , 1993 , 58, 6939-6941	4.2	78
124	Enantioselective selenocyclization via dynamic kinetic resolution of seleniranium ions by hydrogen-bond donor catalysts. <i>Journal of the American Chemical Society</i> , 2014 , 136, 16485-8	16.4	76

123	Enantiofacially Selective Binding of Prochiral Olefins to a Chiral Catalyst via Simultaneous Face-Face and Edge-Face Aromatic Interactions. <i>Journal of the American Chemical Society</i> , 1996 , 118, 8156-8157	16.4	76
122	On- and Off-Cycle Catalyst Cooperativity in Anion-Binding Catalysis. <i>Journal of the American Chemical Society</i> , 2016 , 138, 7860-7863	16.4	75
121	Asymmetric catalysis in complex target synthesis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2004 , 101, 5368-73	11.5	74
120	Chemistry. A new twist on cooperative catalysis. <i>Science</i> , 2013 , 340, 1052-3	33.3	73
119	Chiral Thioureas Promote Enantioselective Pictet-Spengler Cyclization by Stabilizing Every Intermediate and Transition State in the Carboxylic Acid-Catalyzed Reaction. <i>Journal of the American Chemical Society</i> , 2017 , 139, 12299-12309	16.4	73
118	Catalytic asymmetric synthesis of 8-oxabicyclooctanes by intermolecular [5+2] pyrylium cycloadditions. <i>Angewandte Chemie - International Edition</i> , 2014 , 53, 5912-6	16.4	71
117	Practical Synthesis of a Soluble Schiff Base Catalyst for the Asymmetric Strecker Reaction. <i>Advanced Synthesis and Catalysis</i> , 2001 , 343, 197-200	5.6	71
116	Highly enantioselective, intermolecular hydroamination of allenyl esters catalyzed by bifunctional phosphinothioureas. <i>Journal of the American Chemical Society</i> , 2014 , 136, 17966-8	16.4	70
115	Catalyst-controlled inverse-electron-demand hetero-Diels-Alder reactions in the enantio- and diastereoselective synthesis of iridoid natural products. <i>Organic Letters</i> , 2003 , 5, 2563-5	6.2	70
114	A direct method for the conversion of terminal epoxides into gamma-butanolides. <i>Journal of the American Chemical Society</i> , 2002 , 124, 2456-7	16.4	66
113	Total Synthesis of FR901464. Convergent Assembly of Chiral Components Prepared by Asymmetric Catalysis. <i>Journal of the American Chemical Society</i> , 2000 , 122, 10482-10483	16.4	66
112	Enantioselective parallel synthesis using polymer-supported chiral Co(salen) complexes. <i>Organic Letters</i> , 1999 , 1, 1245-8	6.2	66
111	An efficient formal synthesis of balanol via the asymmetric epoxide ring opening reaction. <i>Tetrahedron Letters</i> , 1997 , 38, 1693-1696	2	65
110	Asymmetric hetero-ene reactions of trimethylsilyl enol ethers catalyzed by tridentate Schiff base chromium(III) complexes. <i>Angewandte Chemie - International Edition</i> , 2003 , 42, 4771-4	16.4	65
109	Catalyst-controlled diastereoselective hetero-Diels-Alder reactions. <i>Organic Letters</i> , 2002 , 4, 1795-8	6.2	65
108	Chiral β -aminoamines by Urea-Catalyzed Iodocyclization of Trichloroacetimidates. <i>Chemical Science</i> , 2013 , 4,	9.4	64
107	Entdeckung neuer Katalysatoren für die Alkenepoxidierung durch metallbindende kombinatorische Bibliotheken. <i>Angewandte Chemie</i> , 1999 , 111, 987-991	3.6	64
106	Enantioselective catalytic carbonyl-ene cyclization reactions. <i>Angewandte Chemie - International Edition</i> , 2008 , 47, 1469-72	16.4	63

- 105 Efficient total syntheses of (-)-colombiasin A and (-)-elisapterosin B: application of the Cr-catalyzed asymmetric quinone Diels-Alder reaction. *Angewandte Chemie - International Edition*, **2005**, 44, 6046-50 16.4 62
- 104 Mechanism and Origins of Chemo- and Stereoselectivities of Aryl Iodide-Catalyzed Asymmetric Difluorinations of β -Substituted Styrenes. *Journal of the American Chemical Society*, **2018**, 140, 15206-15218 16.4 61
- 103 Synthesis of enantiopure 3-chlorostyrene oxide via an asymmetric epoxidation-hydrolytic kinetic resolution sequence. *Tetrahedron: Asymmetry*, **1997**, 8, 3927-3933 59
- 102 Highly enantio- and regioselective quinone Diels-Alder reactions catalyzed by a tridentate [(Schiff Base)Cr(III)] complex. *Angewandte Chemie - International Edition*, **2005**, 44, 6043-6 16.4 59
- 101 Regioselective Carbomethoxylation of Chiral Epoxides: A New Route to Enantiomerically Pure β -Hydroxy Esters. *Journal of Organic Chemistry*, **1999**, 64, 2164-2165 4.2 59
- 100 Dynamic kinetic resolution of epichlorohydrin via enantioselective catalytic ring opening with TMSN₃. Practical synthesis of aryl oxazolidinone antibacterial agents. *Tetrahedron Letters*, **1996**, 37, 7937-7940 59
- 99 Thiourea-catalyzed enantioselective addition of indoles to pyrones: alkaloid cores with quaternary carbons. *Journal of the American Chemical Society*, **2014**, 136, 13614-7 16.4 57
- 98 A broadly applicable and practical oligomeric (salen) Co catalyst for enantioselective epoxide ring-opening reactions. *Tetrahedron*, **2014**, 70, 4165-4180 2.4 55
- 97 Mechanistic study of a synthetically useful monooxygenase model using the hypersensitive probe trans-2-phenyl-1-vinylcyclopropane. *Journal of Organic Chemistry*, **1991**, 56, 6497-6500 4.2 54
- 96 Enantioselective total synthesis of (+)-reserpine. *Organic Letters*, **2013**, 15, 706-9 6.2 53
- 95 Enantiopure beta-hydroxy morpholine amides from terminal epoxides by carbonylation at 1 atm. *Angewandte Chemie - International Edition*, **2002**, 41, 4703-5 16.4 53
- 94 Kinetic Resolution of Racemic Chromenes via Asymmetric Epoxidation: Synthesis of (+)-Teretifolione B. *Journal of Organic Chemistry*, **1995**, 60, 5380-5381 4.2 53
- 93 Low temperature asymmetric epoxidation of unfunctionalized olefins catalyzed by (salen)Mn(III) complexes **1995**, 36, 5457-5457 53
- 92 A Practical Oligomeric [(salen)Co] Catalyst for Asymmetric Epoxide Ring-Opening Reactions. *Angewandte Chemie*, **2002**, 114, 1432 3.6 52
- 91 Enantioselective Total Synthesis of Taurospongine A. *Journal of Organic Chemistry*, **1998**, 63, 9624-9625 4.2 52
- 90 Transition Metal-catalyzed Oxidations: Asymmetric Epoxidation **1995**, 1097-1135 52
- 89 The structure of osmium tetraoxide-cinchona alkaloid complexes. *Journal of Organic Chemistry*, **1989**, 54, 2263-2264 4.2 52
- 88 Mechanism-Guided Development of a Highly Active Bis-thiourea Catalyst for Anion-Abstraction Catalysis. *Journal of the American Chemical Society*, **2016**, 138, 13525-13528 16.4 52

87	Catalytic, Enantioselective 1,2-Difluorination of Cinnamamides. <i>Organic Letters</i> , 2019 , 21, 4919-4923	6.2	51
86	Catalytic Enantioselective Claisen Rearrangements of O-Allyl β -Ketoesters. <i>Angewandte Chemie</i> , 2010 , 122, 9947-9950	3.6	51
85	Carbenoid insertions into the silicon-hydrogen bond catalyzed by chiral copper (I) schiff base complexes. <i>Tetrahedron Letters</i> , 1998 , 39, 8947-8950	2	51
84	Catalytic Asymmetric Epoxide Ring-opening Chemistry 2006 , 229-269		51
83	Asymmetric Mannich synthesis of β -amino esters by anion-binding catalysis. <i>Journal of the American Chemical Society</i> , 2014 , 136, 12872-5	16.4	49
82	Mechanistic basis for high reactivity of (salen)Co-OTs in the hydrolytic kinetic resolution of terminal epoxides. <i>Journal of Organic Chemistry</i> , 2012 , 77, 2486-95	4.2	48
81	A practical method for the synthesis of highly enantioenriched trans-1,2-amino alcohols. <i>Organic Letters</i> , 2013 , 15, 2895-7	6.2	46
80	Activation of Electron-Deficient Quinones through Hydrogen-Bond-Donor-Coupled Electron Transfer. <i>Angewandte Chemie - International Edition</i> , 2016 , 55, 539-44	16.4	45
79	Stereochemistry as a Diversity Element: Solid-Phase Synthesis of Cyclic RGD Peptide Derivatives by Asymmetric Catalysis. <i>Angewandte Chemie - International Edition</i> , 1998 , 37, 1907-1909	16.4	44
78	Highly Enantioselective Inverse-Electron-Demand Hetero-Diels-Alder Reactions of β -Unsaturated Aldehydes. <i>Angewandte Chemie</i> , 2002 , 114, 3185	3.6	44
77	Die Kation-Wechselwirkung in der Katalyse mit niedermolekularen Verbindungen. <i>Angewandte Chemie</i> , 2016 , 128, 12784-12814	3.6	44
76	A Simple Primary Amine Catalyst for Enantioselective β -Hydroxylations and β -Fluorinations of Branched Aldehydes. <i>Organic Letters</i> , 2015 , 17, 2772-5	6.2	43
75	Anion-Abstraction Catalysis: The Cooperative Mechanism of β -Chloroether Activation by Dual Hydrogen-Bond Donors. <i>ACS Catalysis</i> , 2016 , 6, 4616-4620	13.1	43
74	Enantioselective Aza-Sakurai Cyclizations: Dual Role of Thiourea as H-Bond Donor and Lewis Base. <i>Journal of the American Chemical Society</i> , 2016 , 138, 14848-14851	16.4	42
73	Chiral sulfinamide/achiral sulfonic acid cocatalyzed enantioselective protonation of enol silanes. <i>Organic Letters</i> , 2011 , 13, 4260-3	6.2	42
72	Application of a catalytic asymmetric Povarov reaction using chiral ureas to the synthesis of a tetrahydroquinoline library. <i>ACS Combinatorial Science</i> , 2012 , 14, 621-30	3.9	41
71	Synthesis and chemistry of a bridging vinylidenedicobalt complex. Evidence for a nonchain radical mechanism in its reaction with metal hydrides to give heteronuclear clusters. <i>Journal of the American Chemical Society</i> , 1985 , 107, 2023-2032	16.4	40
70	Sensitive and Accurate C Kinetic Isotope Effect Measurements Enabled by Polarization Transfer. <i>Journal of the American Chemical Society</i> , 2017 , 139, 43-46	16.4	39

69	Highly Efficient and Enantioselective Synthesis of Carbocyclic Nucleoside Analogs Using Selective Early Transition Metal Catalysis. <i>Journal of Organic Chemistry</i> , 1996 , 61, 7963-7966	4.2	38
68	Synthetic and biological catalysts in chemical synthesis: how to assess practical utility. <i>Chemistry and Biology</i> , 1994 , 1, 85-90		38
67	An enantioselective total synthesis of (+)-peloruside A. <i>Angewandte Chemie - International Edition</i> , 2010 , 49, 6147-50	16.4	37
66	Ring Opening of Epoxides and Related Reactions 1999 , 1309-1326		37
65	Synergistic Ion-Binding Catalysis Demonstrated via an Enantioselective, Catalytic [2,3]-Wittig Rearrangement. <i>ACS Central Science</i> , 2016 , 2, 416-23	16.8	36
64	Structural analysis of spiro beta-lactone proteasome inhibitors. <i>Journal of the American Chemical Society</i> , 2008 , 130, 14981-3	16.4	36
63	Enantioselective synthesis of tertiary β -chloro esters by non-covalent catalysis. <i>Tetrahedron Letters</i> , 2015 , 56, 3428-3430	2	34
62	Regioselective Ring Opening of Enantiomerically Enriched Epoxides via Catalysis with Chiral (Salen)Cr(III) Complexes. <i>Synlett</i> , 2001 , 2001, 1013-1015	2.2	34
61	Enantioselective Synthesis of β -Allyl Amino Esters via Hydrogen-Bond-Donor Catalysis. <i>Journal of the American Chemical Society</i> , 2019 , 141, 11414-11419	16.4	31
60	Durch einen [(salen)Co(III)]-Komplex katalysierte regio- und enantioselective Cyclisierung von Epoxyalkoholen. <i>Angewandte Chemie</i> , 1999 , 111, 2167-2170	3.6	29
59	A substoichiometric pyridine-lithium enolate complex: solution and x-ray data and implications for catalysis in the aldol reaction. <i>Journal of the American Chemical Society</i> , 1992 , 114, 7585-7587	16.4	29
58	Highly Enantioselective, Hydrogen-Bond-Donor Catalyzed Additions to Oxetanes. <i>Journal of the American Chemical Society</i> , 2020 , 142, 9175-9180	16.4	27
57	Stereospecific Furanosylations Catalyzed by Bis-thiourea Hydrogen-Bond Donors. <i>Journal of the American Chemical Society</i> , 2020 , 142, 4061-4069	16.4	27
56	Conformational Control of Chiral Amido-Thiourea Catalysts Enables Improved Activity and Enantioselectivity. <i>Organic Letters</i> , 2016 , 18, 3214-7	6.2	26
55	Efficient Total Syntheses of (1R)-Colombiasin A and (1R)-Elisapterosin B: Application of the Cr-Catalyzed Asymmetric Quinone Diels-Alder Reaction. <i>Angewandte Chemie</i> , 2005 , 117, 6200-6204	3.6	26
54	Total Synthesis of Fostriecin (CI-920). <i>Angewandte Chemie</i> , 2001 , 113, 3779-3782	3.6	26
53	Carbenoid-Übertragung auf Imine: eine neue asymmetrische katalytische Synthese von Aziridinen. <i>Angewandte Chemie</i> , 1995 , 107, 750-752	3.6	26
52	Catalytic Enantioselective Synthesis of Difluorinated Alkyl Bromides. <i>Journal of the American Chemical Society</i> , 2020 , 142, 14831-14837	16.4	26

51	Enantioselective Aryl-Iodide-Catalyzed Wagner-Meerwein Rearrangements. <i>Journal of the American Chemical Society</i> , 2020 , 142, 16090-16096	16.4	25
50	Catalytic activation of glycosyl phosphates for stereoselective coupling reactions. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019 , 116, 35-39	11.5	25
49	Catalytic Asymmetric Synthesis of 8-Oxabicyclooctanes by Intermolecular [5+2] Pyrylium Cycloadditions. <i>Angewandte Chemie</i> , 2014 , 126, 6022-6026	3.6	24
48	Enantioselective catalytic transannular ketone-ene reactions. <i>Organic Letters</i> , 2013 , 15, 4238-41	6.2	24
47	Advanced Synthesis & Catalysis Enters Its Second Year. <i>Advanced Synthesis and Catalysis</i> , 2002 , 344, 1	5.6	24
46	Rapid, reversible intramolecular carbon-hydrogen oxidative addition and hydrogen exchange in a heterodinuclear "early-late" transition metal complex. <i>Journal of the American Chemical Society</i> , 1988 , 110, 3706-3707	16.4	24
45	Highly Selective β -Mannosylations and β -Rhamnosylations Catalyzed by Bis-thiourea. <i>Journal of the American Chemical Society</i> , 2020 , 142, 11865-11872	16.4	22
44	General Catalytic Synthesis of Highly Enantiomerically Enriched Terminal Aziridines from Racemic Epoxides. <i>Angewandte Chemie</i> , 2004 , 116, 4042-4044	3.6	21
43	Enantioselective Tail-to-Head Cyclizations Catalyzed by Dual-Hydrogen-Bond Donors. <i>Journal of the American Chemical Society</i> , 2020 , 142, 6951-6956	16.4	20
42	Highly Enantioselective Catalytic Conjugate Addition of N-Heterocycles to β -Unsaturated Ketones and Imides. <i>Angewandte Chemie</i> , 2005 , 117, 2445-2449	3.6	20
41	Activation of Electron-Deficient Quinones through Hydrogen-Bond-Donor-Coupled Electron Transfer. <i>Angewandte Chemie</i> , 2016 , 128, 549-554	3.6	19
40	Chiral sulfinamidourea and strong Brønsted acid-cocatalyzed enantioselective Povarov reaction to access tetrahydroquinolines. <i>Nature Protocols</i> , 2014 , 9, 1860-6	18.8	19
39	Zum Auftreten von oxametallacyclischen Intermediaten in der [Mn(salen)]-katalysierten asymmetrischen Epoxidierung. <i>Angewandte Chemie</i> , 1997 , 109, 1798-1801	3.6	19
38	Preparation of trans-1,2-diamino-1,2-dimethylcyclohexane via highly stereoselective olefin oxidation by dinitrogen tetroxide. <i>Tetrahedron Letters</i> , 1991 , 32, 1711-1714	2	19
37	A Practical Synthesis of β -Unsaturated Imides, Useful Substrates For Asymmetric Conjugate Addition Reactions. <i>Advanced Synthesis and Catalysis</i> , 2002 , 344, 953-956	5.6	18
36	Highly Enantio- and Regioselective Quinone Diels-Alder Reactions Catalyzed by a Tridentate [(Schiff Base)Cr(III)] Complex. <i>Angewandte Chemie</i> , 2005 , 117, 6197-6200	3.6	18
35	Synthesis of organometallic heterodinuclear μ -oxo complexes by extrusion of alkenes from zirconium/tungsten oxoalkyl complexes. <i>Journal of the American Chemical Society</i> , 1986 , 108, 8092-8094	16.4	18
34	Bifunctional Asymmetric Catalysis with Hydrogen Chloride: Enantioselective Ring-Opening of Aziridines Catalyzed by a Phosphinothiourea. <i>Synlett</i> , 2009 , 2009, 1680-1684	2.2	15

33	Stereochemische Eigenschaften als Diversitäts-Element: Festphasensynthese cyclischer RGD-Peptidderivate via asymmetrische Katalyse. <i>Angewandte Chemie</i> , 1998 , 110, 2010-2012	3.6	15
32	Asymmetric Hetero-Ene Reactions of Trimethylsilyl Enol Ethers Catalyzed by Tridentate Schiff Base Chromium(III) Complexes. <i>Angewandte Chemie</i> , 2003 , 115, 4919-4922	3.6	15
31	Encouraging Tomorrow's Chemists: University Outreach Program Bringing Hands-On Experiments to Local Students. <i>Journal of Chemical Education</i> , 1995 , 72, 167	2.4	13
30	Synthesis, crystal and molecular structure, and reactions of the bridging vinylidenedicobalt complex (μ -CCH ₂)(CpCoCO) ₂ . Reaction with molybdenum hydrides to give a heteronuclear cluster complex. <i>Organometallics</i> , 1984 , 3, 329-331	3.8	13
29	Enantioselective catalytic 1,2-boronate rearrangements. <i>Science</i> , 2021 , 374, 752-757	33.3	11
28	A mixed anhydride approach to the preparation of sulfinate esters and allylic sulfones: Trimethylacetic p-toluenesulfinic anhydride. <i>Tetrahedron Letters</i> , 2017 , 58, 3073-3077	2	9
27	Asymmetric Nazarov Cyclizations of Unactivated Dienones by Hydrogen-Bond-Donor/Lewis Acid Co-Catalyzed, Enantioselective Proton-Transfer. <i>Advanced Synthesis and Catalysis</i> , 2020 , 362, 4092-4097	5.6	9
26	Efficient Synthesis of Sulfinate Esters and Sulfinamides via Activated Esters of p-Toluenesulfinic Acid. <i>Synthesis</i> , 2018 , 50, 4855-4866	2.9	7
25	Enantiopure β -Hydroxy Morpholine Amides from Terminal Epoxides by Carbonylation at 1 atm. <i>Angewandte Chemie</i> , 2002 , 114, 4897-4899	3.6	7
24	A Case Study in Catalyst Generality: Simultaneous, Highly-Enantioselective Brønsted- and Lewis-Acid Mechanisms in Hydrogen-Bond-Donor Catalyzed Oxetane Openings. <i>Journal of the American Chemical Society</i> , 2021 , 143, 9585-9594	16.4	7
23	Organic chemistry: catalysis in tight spaces. <i>Nature</i> , 2012 , 483, 278-9	50.4	6
22	Cooperative Hydrogen-Bond-Donor Catalysis with Hydrogen Chloride Enables Highly Enantioselective Prins Cyclization Reactions. <i>Journal of the American Chemical Society</i> , 2021 , 143, 20077-20083	16.4	6
21	Enantioselective, Catalytic Multicomponent Synthesis of Homoallylic Amines Enabled by Hydrogen-Bonding and Dispersive Interactions. <i>Journal of the American Chemical Society</i> , 2021 , 143, 7272-7278	16.4	6
20	Enantioselective Catalysis of an Anionic Oxy-Cope Rearrangement Enabled by Synergistic Ion Binding. <i>Israel Journal of Chemistry</i> , 2020 , 60, 461-474	3.4	5
19	Organometallic chemistry: A new metathesis. <i>Nature Chemistry</i> , 2016 , 8, 741-2	17.6	5
18	Divergent Stereinduction Mechanisms in Urea-Catalyzed Additions to Imines. <i>Synlett</i> , 2003 , 2003, 1919-1922	2	5
17	Catalyst-Controlled Glycosylation 2019 , 801-852		4
16	Preparation of (S)-Methyl Glycidate via Hydrolytic Kinetic Resolution 2006 , 162-169		4

15	Highly Enantioselective Thiourea-Catalyzed Nitro-Mannich Reactions. <i>Angewandte Chemie - International Edition</i> , 2005 , 44, 7327-7327	16.4	3
14	An Efficient, Highly Diastereo- and Enantioselective Hetero-Diels-Alder Catalyst. Preparation of (2S,6R)-6-(tert-Butyldimethyl-Silyloxymethyl)-2-Methoxy-2,5-Dihydropyran 2005 , 34-42		3
13	Steve Buchwald @60. <i>Advanced Synthesis and Catalysis</i> , 2015 , 357, 2173-2174	5.6	2
12	Highly Enantioselective Thiourea-Catalyzed Nitro-Mannich Reactions. <i>Angewandte Chemie</i> , 2005 , 117, 7493-7493	3.6	2
11	Catalytic C-C Bond Formation. <i>Advanced Synthesis and Catalysis</i> , 2005 , 347, 1471-1471	5.6	2
10	A catalytic one-two punch. <i>Science</i> , 2019 , 366, 948-949	33.3	2
9	Chiral Ureas, Thioureas, and Squaramides in Anion-Binding Catalysis with Co-catalytic Brønsted/ Lewis Acids 2022 , 141-159		1
8	(R,R)-N,N'-Bis(3,5-di-tert-Butylsalicylidene)-1,2-Cyclohexanediamino Manganese(III) Chloride, A Highly Enantioselective Epoxidation Catalyst 1-1		1
7	Future Perspectives in Asymmetric Catalysis 1999 , 1473-1477		1
6	Highly Enantio- and Diastereoselective Hetero-Diels-Alder Reactions Catalyzed by New Chiral Tridentate Chromium(III) Catalysts 1999 , 38, 2398		1
5	Highly Enantio- and Diastereoselective Hetero-Diels-Alder Reactions Catalyzed by New Chiral Tridentate Chromium(III) Catalysts 1999 , 38, 2398		1
4	The Aryl-Pyrrolidine- tert -Leucine Motif as a New Privileged Chiral Scaffold: The Role of Noncovalent Stabilizing Interactions 2022 , 361-385		1
3	Advanced Synthesis & Catalysis after 15 Years: Challenges and New Opportunities for Synthetic Science. <i>Advanced Synthesis and Catalysis</i> , 2016 , 358, 2-2	5.6	
2	Catalytic Alkene Difunctionalization Reactions 2022 , 243-274		
1	(1S,2R)-1-Aminoindan-2-ol 46-46		