

# Francisco Dean Toste

## List of Publications by Citations

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362 papers	41,318 citations	125 h-index	193 g-index
523 ext. papers	45,447 ext. citations	14.6 avg, IF	8.08 L-index

#	Paper	IF	Citations
362	Ligand effects in homogeneous Au catalysis. <i>Chemical Reviews</i> , <b>2008</b> , 108, 3351-78	68.1	1865
361	Relativistic effects in homogeneous gold catalysis. <i>Nature</i> , <b>2007</b> , 446, 395-403	50.4	1588
360	Advances in catalytic enantioselective fluorination, mono-, di-, and trifluoromethylation, and trifluoromethylthiolation reactions. <i>Chemical Reviews</i> , <b>2015</b> , 115, 826-70	68.1	938
359	Supramolecular catalysis in metal-ligand cluster hosts. <i>Chemical Reviews</i> , <b>2015</b> , 115, 3012-35	68.1	829
358	A powerful chiral counterion strategy for asymmetric transition metal catalysis. <i>Science</i> , <b>2007</b> , 317, 496-503	33.3	766
357	Non-metathesis ruthenium-catalyzed C-C bond formation. <i>Chemical Reviews</i> , <b>2001</b> , 101, 2067-96	68.1	699
356	The progression of chiral anions from concepts to applications in asymmetric catalysis. <i>Nature Chemistry</i> , <b>2012</b> , 4, 603-14	17.6	621
355	Gold(I)-catalyzed stereoselective olefin cyclopropanation. <i>Journal of the American Chemical Society</i> , <b>2005</b> , 127, 18002-3	16.4	468
354	Gold(I)-catalyzed intramolecular acetylenic Schmidt reaction. <i>Journal of the American Chemical Society</i> , <b>2005</b> , 127, 11260-1	16.4	459
353	Exploiting non-covalent interactions for catalyst design. <i>Nature</i> , <b>2017</b> , 543, 637-646	50.4	423
352	A bonding model for gold(I) carbene complexes. <i>Nature Chemistry</i> , <b>2009</b> , 1, 482-6	17.6	416
351	Gold(I)-catalyzed enantioselective intramolecular hydroamination of allenes. <i>Journal of the American Chemical Society</i> , <b>2007</b> , 129, 2452-3	16.4	413
350	Asymmetric electrophilic fluorination using an anionic chiral phase-transfer catalyst. <i>Science</i> , <b>2011</b> , 334, 1681-4	33.3	399
349	Development of catalysts and ligands for enantioselective gold catalysis. <i>Accounts of Chemical Research</i> , <b>2014</b> , 47, 889-901	24.3	395
348	Gold(I)-catalyzed Conia-ene reaction of beta-ketoesters with alkynes. <i>Journal of the American Chemical Society</i> , <b>2004</b> , 126, 4526-7	16.4	380
347	Synthesis of 2-cyclopentenones by gold(I)-catalyzed Rautenstrauch rearrangement. <i>Journal of the American Chemical Society</i> , <b>2005</b> , 127, 5802-3	16.4	378
346	Dual visible light photoredox and gold-catalyzed arylation ring expansion. <i>Journal of the American Chemical Society</i> , <b>2014</b> , 136, 5844-7	16.4	330

345	Catalytic isomerization of 1,5-enynes to bicyclo[3.1.0]hexenes. <i>Journal of the American Chemical Society</i> , <b>2004</b> , 126, 10858-9	16.4	327
344	Recent advances in enantioselective gold catalysis. <i>Chemical Society Reviews</i> , <b>2016</b> , 45, 4567-89	58.5	325
343	Rearrangement of alkynyl sulfoxides catalyzed by gold(I) complexes. <i>Journal of the American Chemical Society</i> , <b>2007</b> , 129, 4160-1	16.4	325
342	Gold(I)-catalyzed propargyl Claisen rearrangement. <i>Journal of the American Chemical Society</i> , <b>2004</b> , 126, 15978-9	16.4	319
341	Modern Approaches for Asymmetric Construction of Carbon-Fluorine Quaternary Stereogenic Centers: Synthetic Challenges and Pharmaceutical Needs. <i>Chemical Reviews</i> , <b>2018</b> , 118, 3887-3964	68.1	316
340	Gold(I)-catalyzed oxidative rearrangements. <i>Journal of the American Chemical Society</i> , <b>2007</b> , 129, 5838-9	16.4	303
339	A supramolecular microenvironment strategy for transition metal catalysis. <i>Science</i> , <b>2015</b> , 350, 1235-8	33.3	291
338	Integration of chemical catalysis with extractive fermentation to produce fuels. <i>Nature</i> , <b>2012</b> , 491, 235-9	50.4	288
337	Regio- and Enantioselective Allylic Alkylation of an Unsymmetrical Substrate: A Working Model. <i>Journal of the American Chemical Society</i> , <b>1999</b> , 121, 4545-4554	16.4	285
336	A supramolecular approach to combining enzymatic and transition metal catalysis. <i>Nature Chemistry</i> , <b>2013</b> , 5, 100-3	17.6	279
335	Non-oxidative vanadium-catalyzed C-O bond cleavage: application to degradation of lignin model compounds. <i>Angewandte Chemie - International Edition</i> , <b>2010</b> , 49, 3791-4	16.4	275
334	Gold-catalyzed cycloisomerization of 1,5-allenynes via dual activation of an ene reaction. <i>Journal of the American Chemical Society</i> , <b>2008</b> , 130, 4517-26	16.4	271
333	Gold(I)-catalyzed enantioselective synthesis of pyrazolidines, isoxazolidines, and tetrahydrooxazines. <i>Angewandte Chemie - International Edition</i> , <b>2010</b> , 49, 598-601	16.4	257
332	Converting homogeneous to heterogeneous in electrophilic catalysis using monodisperse metal nanoparticles. <i>Nature Chemistry</i> , <b>2010</b> , 2, 36-41	17.6	254
331	Gold(I)-catalyzed [2 + 2]-cycloaddition of allenenes. <i>Journal of the American Chemical Society</i> , <b>2007</b> , 129, 12402-3	16.4	238
330	Synthesis of aromatic ketones by a transition metal-catalyzed tandem sequence. <i>Journal of the American Chemical Society</i> , <b>2006</b> , 128, 7436-7	16.4	234
329	Gold-catalyzed three-component coupling: oxidative oxyarylation of alkenes. <i>Journal of the American Chemical Society</i> , <b>2010</b> , 132, 8885-7	16.4	232
328	Asymmetric synthesis of medium-sized rings by intramolecular Au(I)-catalyzed cyclopropanation. <i>Journal of the American Chemical Society</i> , <b>2009</b> , 131, 2056-7	16.4	232

327	Redox-based reagents for chemoselective methionine bioconjugation. <i>Science</i> , <b>2017</b> , 355, 597-602	33.3	231
326	Production of Fuels and Chemicals from Biomass: Condensation Reactions and Beyond. <i>Chem</i> , <b>2016</b> , 1, 32-58	16.2	230
325	Gold(I)-catalyzed 5-endo-dig carbocyclization of acetylenic dicarbonyl compounds. <i>Angewandte Chemie - International Edition</i> , <b>2004</b> , 43, 5350-2	16.4	227
324	Gold-catalyzed intramolecular aminoarylation of alkenes: C-C bond formation through bimolecular reductive elimination. <i>Angewandte Chemie - International Edition</i> , <b>2010</b> , 49, 5519-22	16.4	220
323	Gold(I)-catalyzed cyclizations of silyl enol ethers: application to the synthesis of (+)-lycopoladine A. <i>Angewandte Chemie - International Edition</i> , <b>2006</b> , 45, 5991-4	16.4	219
322	Stable gold(III) catalysts by oxidative addition of a carbon-carbon bond. <i>Nature</i> , <b>2015</b> , 517, 449-54	50.4	217
321	Ligand-controlled access to [4 + 2] and [4 + 3] cycloadditions in gold-catalyzed reactions of allene-dienes. <i>Journal of the American Chemical Society</i> , <b>2009</b> , 131, 6348-9	16.4	217
320	Phosphine-catalyzed hydration and hydroalkoxylation of activated olefins: use of a strong nucleophile to generate a strong base. <i>Journal of the American Chemical Society</i> , <b>2003</b> , 125, 8696-7	16.4	215
319	Enantioselective halocyclization using reagents tailored for chiral anion phase-transfer catalysis. <i>Journal of the American Chemical Society</i> , <b>2012</b> , 134, 12928-31	16.4	213
318	Synthesis of azepines by a gold-catalyzed intermolecular [4 + 3]-annulation. <i>Journal of the American Chemical Society</i> , <b>2008</b> , 130, 9244-5	16.4	211
317	Ruthenium-Catalyzed Intramolecular [5 + 2] Cycloadditions. <i>Journal of the American Chemical Society</i> , <b>2000</b> , 122, 2379-2380	16.4	209
316	Gold(I)-catalyzed enantioselective ring expansion of allenylcyclopropanols. <i>Journal of the American Chemical Society</i> , <b>2009</b> , 131, 9178-9	16.4	203
315	Gold(I)-catalyzed ring expansion of cyclopropanols and cyclobutanols. <i>Journal of the American Chemical Society</i> , <b>2005</b> , 127, 9708-9	16.4	198
314	Self-Assembled Tetrahedral Hosts as Supramolecular Catalysts. <i>Accounts of Chemical Research</i> , <b>2018</b> , 51, 2447-2455	24.3	198
313	Mechanistic studies on Au(I)-catalyzed [3,3]-sigmatropic rearrangements using cyclopropane probes. <i>Journal of the American Chemical Society</i> , <b>2009</b> , 131, 4513-20	16.4	197
312	Application of fundamental organometallic chemistry to the development of a gold-catalyzed synthesis of sulfinate derivatives. <i>Angewandte Chemie - International Edition</i> , <b>2014</b> , 53, 4404-7	16.4	196
311	Atom economy. Palladium-catalyzed formation of coumarins by addition of phenols and alkynoates via a net C-H insertion. <i>Journal of the American Chemical Society</i> , <b>2003</b> , 125, 4518-26	16.4	195
310	Gold-catalyzed [3+3]-annulation of azomethine imines with propargyl esters. <i>Journal of the American Chemical Society</i> , <b>2009</b> , 131, 11654-5	16.4	194

- 309 Synthesis of indenyl ethers by gold(I)-catalyzed intramolecular carboalkoxylation of alkynes. *Journal of the American Chemical Society*, **2006**, 128, 12062-3 16.4 192
- 308 Chiral anion phase-transfer catalysis applied to the direct enantioselective fluorinative dearomatization of phenols. *Journal of the American Chemical Society*, **2013**, 135, 1268-71 16.4 191
- 307 Deoxygenation of biomass-derived feedstocks: oxorhenium-catalyzed deoxydehydration of sugars and sugar alcohols. *Angewandte Chemie - International Edition*, **2012**, 51, 8082-6 16.4 190
- 306 Gold(I)-catalyzed synthesis of dihydropyrans. *Journal of the American Chemical Society*, **2006**, 128, 8132-3 16.4 190
- 305 Hydroalkoxylation catalyzed by a gold(I) complex encapsulated in a supramolecular host. *Journal of the American Chemical Society*, **2011**, 133, 7358-60 16.4 187
- 304 Catalytic enantioselective Conia-ene reaction. *Journal of the American Chemical Society*, **2005**, 127, 17168-9 16.4 187
- 303 Phosphoramidite gold(I)-catalyzed diastereo- and enantioselective synthesis of 3,4-substituted pyrrolidines. *Journal of the American Chemical Society*, **2011**, 133, 5500-7 16.4 186
- 302 Control of selectivity in heterogeneous catalysis by tuning nanoparticle properties and reactor residence time. *Nature Chemistry*, **2012**, 4, 947-52 17.6 185
- 301 Two metals are better than one in the gold catalyzed oxidative heteroarylation of alkenes. *Journal of the American Chemical Society*, **2011**, 133, 14293-300 16.4 183
- 300 Chiral anion-mediated asymmetric ring opening of meso-aziridinium and episulfonium ions. *Journal of the American Chemical Society*, **2008**, 130, 14984-6 16.4 182
- 299 Gold(I)-catalyzed synthesis of functionalized cyclopentadienes. *Angewandte Chemie - International Edition*, **2007**, 46, 912-4 16.4 182
- 298 Asymmetric O- and C-Alkylation of Phenols. *Journal of the American Chemical Society*, **1998**, 120, 815-816 16.4 181
- 297 Vanadium-catalyzed asymmetric oxidation of alpha-hydroxy esters using molecular oxygen as stoichiometric oxidant. *Journal of the American Chemical Society*, **2005**, 127, 1090-1 16.4 178
- 296 Asymmetric fluorination of enamides: access to fluoroimines using an anionic chiral phase-transfer catalyst. *Journal of the American Chemical Society*, **2012**, 134, 8376-9 16.4 175
- 295 Gold(I)-catalyzed enantioselective polycyclization reactions. *Journal of the American Chemical Society*, **2010**, 132, 8276-7 16.4 175
- 294 Exceptionally fast carbon-carbon bond reductive elimination from gold(III). *Nature Chemistry*, **2014**, 6, 159-64 17.6 171
- 293 Asymmetric additions to dienes catalysed by a dithiophosphoric acid. *Nature*, **2011**, 470, 245-9 16.4 171
- 292 Enantioselective reduction of imines catalyzed by a rhenium(V)-oxo complex. *Journal of the American Chemical Society*, **2005**, 127, 12462-3 16.4 171

- 291 Catalytic enantioselective carbon-carbon bond formation using cycloisomerization reactions. *Chemical Science*, **2012**, 3, 2899 9.4 169
- 290 A dual catalytic strategy for carbon-phosphorus cross-coupling via gold and photoredox catalysis. *Chemical Science*, **2015**, 6, 1194-1198 9.4 166
- 289 Synthesis of benzonorcaradienes by gold(I)-catalyzed [4+3] annulation. *Journal of the American Chemical Society*, **2006**, 128, 14480-1 16.4 165
- 288 Au(I)-catalyzed ring expanding cycloisomerizations: total synthesis of ventricosene. *Organic Letters*, **2008**, 10, 4315-8 6.2 164
- 287 Photoredox Catalysis Unlocks Single-Electron Elementary Steps in Transition Metal Catalyzed Cross-Coupling. *ACS Central Science*, **2016**, 2, 293-301 16.8 164
- 286 A Catalytic Enantioselective Approach to Chromans and Chromanols. A Total Synthesis of (±)-Calanolides A and B and the Vitamin E Nucleus. *Journal of the American Chemical Society*, **1998**, 120, 9074-9075 16.4 162
- 285 Asymmetric cross-dehydrogenative coupling enabled by the design and application of chiral triazole-containing phosphoric acids. *Journal of the American Chemical Society*, **2013**, 135, 14044-7 16.4 161
- 284 Alkylgold complexes by the intramolecular aminoauration of unactivated alkenes. *Chemical Science*, **2010**, 1, 9.4 161
- 283 Mechanistic study of gold(I)-catalyzed intermolecular hydroamination of allenes. *Journal of the American Chemical Society*, **2010**, 132, 13064-71 16.4 160
- 282 Au(I)-catalyzed enantioselective 1,3-dipolar cycloadditions of  $\alpha,\beta$ -unsaturated ketones with electron-deficient alkenes. *Journal of the American Chemical Society*, **2007**, 129, 12638-9 16.4 160
- 281 Divergent enantioselective synthesis of (-)-galanthamine and (-)-morphine. *Journal of the American Chemical Society*, **2005**, 127, 14785-803 16.4 160
- 280 A New Palladium-Catalyzed Addition: A Mild Method for the Synthesis of Coumarins. *Journal of the American Chemical Society*, **1996**, 118, 6305-6306 16.4 159
- 279 Chiral (acyclic diaminocarbene)gold(I)-catalyzed dynamic kinetic asymmetric transformation of propargyl esters. *Journal of the American Chemical Society*, **2011**, 133, 12972-5 16.4 157
- 278 Enantioselective Oxidative Homocoupling and Cross-Coupling of 2-Naphthols Catalyzed by Chiral Iron Phosphate Complexes. *Journal of the American Chemical Society*, **2016**, 138, 16553-16560 16.4 154
- 277 Gold(I)-catalyzed enantioselective [4 + 2]-cycloaddition of allene-dienes. *Organic Letters*, **2010**, 12, 200-36.2 154
- 276 Total synthesis of (+)-fawcettimine. *Angewandte Chemie - International Edition*, **2007**, 46, 7671-3 16.4 153
- 275 Gold(I)-catalyzed enantioselective synthesis of benzopyrans via rearrangement of allylic oxonium intermediates. *Journal of the American Chemical Society*, **2009**, 131, 3464-5 16.4 152
- 274 Chiral amide directed assembly of a diastereo- and enantiopure supramolecular host and its application to enantioselective catalysis of neutral substrates. *Journal of the American Chemical Society*, **2013**, 135, 18802-5 16.4 151

273	Gold(I)-catalyzed diastereo- and enantioselective 1,3-dipolar cycloaddition and Mannich reactions of azlactones. <i>Journal of the American Chemical Society</i> , <b>2011</b> , 133, 3517-27	16.4	151
272	Enantioselective synthesis of highly substituted furans by a copper(II)-catalyzed cycloisomerization-indole addition reaction. <i>Journal of the American Chemical Society</i> , <b>2011</b> , 133, 8486-9	16.4	151
271	Reversing the role of the metal[bond]oxygen pi-bond. Chemoselective catalytic reductions with a rhenium(V)-dioxo complex. <i>Journal of the American Chemical Society</i> , <b>2003</b> , 125, 4056-7	16.4	151
270	Deracemization of BaylisBillman Adducts. <i>Journal of the American Chemical Society</i> , <b>2000</b> , 122, 3534-3535	16.4	149
269	Organic chemistry. A data-intensive approach to mechanistic elucidation applied to chiral anion catalysis. <i>Science</i> , <b>2015</b> , 347, 737-43	33.3	148
268	Development of ruthenium catalysts for the enantioselective synthesis of P-stereogenic phosphines via nucleophilic phosphido intermediates. <i>Journal of the American Chemical Society</i> , <b>2009</b> , 131, 6021-32	16.4	148
267	Pursuit of Noncovalent Interactions for Strategic Site-Selective Catalysis. <i>Accounts of Chemical Research</i> , <b>2017</b> , 50, 609-615	24.3	147
266	Seven Post-synthetic Covalent Reactions in Tandem Leading to Enzyme-like Complexity within Metal-Organic Framework Crystals. <i>Journal of the American Chemical Society</i> , <b>2016</b> , 138, 8352-5	16.4	146
265	On the impact of steric and electronic properties of ligands on gold(I)-catalyzed cycloaddition reactions. <i>Organic Letters</i> , <b>2009</b> , 11, 4798-801	6.2	146
264	Au(I)-Catalyzed cycloisomerizations terminated by sp(3) C-H bond insertion. <i>Journal of the American Chemical Society</i> , <b>2009</b> , 131, 2809-11	16.4	146
263	Gold-catalyzed allylation of aryl boronic acids: accessing cross-coupling reactivity with gold. <i>Angewandte Chemie - International Edition</i> , <b>2014</b> , 53, 6211-5	16.4	145
262	Rhenium-catalyzed coupling of propargyl alcohols and allyl silanes. <i>Journal of the American Chemical Society</i> , <b>2003</b> , 125, 15760-1	16.4	143
261	Fluorenes and styrenes by Au(I)-catalyzed annulation of enynes and alkynes. <i>Journal of the American Chemical Society</i> , <b>2008</b> , 130, 3736-7	16.4	141
260	Synthesis and structural characterization of isolable phosphine coinage metal $\pi$ -complexes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2008</b> , 105, 2779-2782	11.5	141
259	High-spatial-resolution mapping of catalytic reactions on single particles. <i>Nature</i> , <b>2017</b> , 541, 511-515	50.4	140
258	A doubly axially chiral phosphoric acid catalyst for the asymmetric tandem oxyfluorination of enamides. <i>Angewandte Chemie - International Edition</i> , <b>2012</b> , 51, 9684-8	16.4	139
257	Rhenium(V)-catalyzed synthesis of 2-deoxy- $\alpha$ -glycosides. <i>Journal of the American Chemical Society</i> , <b>2004</b> , 126, 4510-1	16.4	139
256	Gold(I)-catalyzed dearomative Rautenstrauch rearrangement: enantioselective access to cyclopenta[b]indoles. <i>Journal of the American Chemical Society</i> , <b>2015</b> , 137, 3225-8	16.4	138



- 255 Studies on the Vanadium-Catalyzed Nonoxidative Depolymerization of Miscanthus giganteus-Derived Lignin. *ACS Catalysis*, **2013**, 3, 1369-1377 13.1 138
- 254 Enantioselective Total Synthesis of (±)-Galanthamine. *Journal of the American Chemical Society*, **2000**, 122, 11262-11263 16.4 138
- 253 Analysis of an unprecedented mechanism for the catalytic hydrosilylation of carbonyl compounds. *Journal of the American Chemical Society*, **2007**, 129, 14684-96 16.4 137
- 252 Asymmetric catalytic synthesis of P-stereogenic phosphines via a nucleophilic ruthenium phosphido complex. *Journal of the American Chemical Society*, **2006**, 128, 2786-7 16.4 137
- 251 A mild C-O bond formation catalyzed by a rhenium-oxo complex. *Journal of the American Chemical Society*, **2003**, 125, 6076-7 16.4 137
- 250 Ruthenium-Catalyzed Cycloisomerizations of 1,6- and 1,7-Enynes. *Journal of the American Chemical Society*, **2000**, 122, 714-715 16.4 137
- 249 Expanding the scope of biomass-derived chemicals through tandem reactions based on oxorhenium-catalyzed deoxydehydration. *Angewandte Chemie - International Edition*, **2013**, 52, 12905-9 16.4 134
- 248 Rhenium-catalyzed aromatic propargylation. *Organic Letters*, **2004**, 6, 1325-7 6.2 134
- 247 On the Diels-Alder approach to solely biomass-derived polyethylene terephthalate (PET): conversion of 2,5-dimethylfuran and acrolein into p-xylene. *Chemistry - A European Journal*, **2011**, 17, 12452-7 4.8 132
- 246 Gold-catalyzed oxidative coupling reactions with aryltrimethylsilanes. *Organic Letters*, **2010**, 12, 4728-31 6.2 132
- 245 Palladium-catalyzed enantioselective cyclization of silyloxy-1,6-enynes. *Journal of the American Chemical Society*, **2007**, 129, 2764-5 16.4 131
- 244 A Reactivity-Driven Approach to the Discovery and Development of Gold-Catalyzed Organic Reactions. *Synlett*, **2010**, 2010, 675-691 2.2 130
- 243 Visible light-mediated gold-catalysed carbon(sp)-carbon(sp) cross-coupling. *Chemical Science*, **2016**, 7, 85-88 9.4 129
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- 241 C-C coupling reactivity of an alkylgold(III) fluoride complex with arylboronic acids. *Journal of the American Chemical Society*, **2010**, 132, 12859-61 16.4 127
- 240 Selective monoterpene-like cyclization reactions achieved by water exclusion from reactive intermediates in a supramolecular catalyst. *Journal of the American Chemical Society*, **2012**, 134, 17873-6 16.4 126
- 239 Palladium-Catalyzed Kinetic and Dynamic Kinetic Asymmetric Transformation of 5-Acyloxy-2-(5H)-furanone. Enantioselective Synthesis of (±)-Aflatoxin B Lactone. *Journal of the American Chemical Society*, **1999**, 121, 3543-3544 16.4 126
- 238 C(sp<sup>3</sup>)-F reductive elimination from alkylgold(III) fluoride complexes. *Chemical Science*, **2012**, 3, 72-76 9.4 125



237	Enantioselective 1,1-arylborylation of alkenes: merging chiral anion phase transfer with Pd catalysis. <i>Journal of the American Chemical Society</i> , <b>2015</b> , 137, 3213-3216	16.4	123
236	Syntheses of seven-membered rings: ruthenium-catalyzed intramolecular [5+2] cycloadditions. <i>Chemistry - A European Journal</i> , <b>2005</b> , 11, 2577-90	4.8	122
235	Asymmetric palladium-catalyzed directed intermolecular fluoroarylation of styrenes. <i>Journal of the American Chemical Society</i> , <b>2014</b> , 136, 4101-4	16.4	120
234	Photoinitiated oxidative addition of CF <sub>3</sub> I to gold(I) and facile aryl-CF <sub>3</sub> reductive elimination. <i>Journal of the American Chemical Society</i> , <b>2014</b> , 136, 7777-82	16.4	119
233	Palladium-Catalyzed Defluorinative Coupling of 1-Aryl-2,2-Difluoroalkenes and Boronic Acids: Stereoselective Synthesis of Monofluorostilbenes. <i>Angewandte Chemie - International Edition</i> , <b>2016</b> , 55, 11629-32	16.4	119
232	Enantioselective fluoroamination: 1,4-addition to conjugated dienes using anionic phase-transfer catalysis. <i>Angewandte Chemie - International Edition</i> , <b>2013</b> , 52, 7724-7	16.4	116
231	Regio- and enantioselective hydroamination of dienes by gold(I)/menthol cooperative catalysis. <i>Angewandte Chemie - International Edition</i> , <b>2011</b> , 50, 9919-22	16.4	116
230	Asymmetric fluorination of $\beta$ -branched cyclohexanones enabled by a combination of chiral anion phase-transfer catalysis and enamine catalysis using protected amino acids. <i>Journal of the American Chemical Society</i> , <b>2014</b> , 136, 5225-8	16.4	115
229	Synthesis of flinderoles B and C by a gold-catalyzed allene hydroarylation(). <i>Chemical Science</i> , <b>2011</b> , 2, 1706-1709	9.4	115
228	Palladium catalyzed kinetic and dynamic kinetic asymmetric transformations of gamma-acyloxybutenolides. Enantioselective total synthesis of (+)-Aflatoxin B <sub>1</sub> and B <sub>2a</sub> . <i>Journal of the American Chemical Society</i> , <b>2003</b> , 125, 3090-100	16.4	114
227	A Comparison of Photocatalytic Activities of Gold Nanoparticles Following Plasmonic and Interband Excitation and a Strategy for Harnessing Interband Hot Carriers for Solution Phase Photocatalysis. <i>ACS Central Science</i> , <b>2017</b> , 3, 482-488	16.8	111
226	A Two-Component Catalyst System for Asymmetric Allylic Alkylations with Alcohol Pronucleophiles. <i>Journal of the American Chemical Society</i> , <b>1998</b> , 120, 12702-12703	16.4	111
225	Dendrimer-Stabilized Metal Nanoparticles as Efficient Catalysts for Reversible Dehydrogenation/Hydrogenation of N-Heterocycles. <i>Journal of the American Chemical Society</i> , <b>2017</b> , 139, 18084-18092	16.4	110
224	A Re(V)-catalyzed C-N bond-forming route to human lipoxygenase inhibitors. <i>Organic Letters</i> , <b>2005</b> , 7, 2501-4	6.2	110
223	Direct asymmetric amination of $\beta$ -branched cyclic ketones catalyzed by a chiral phosphoric acid. <i>Journal of the American Chemical Society</i> , <b>2015</b> , 137, 3205-8	16.4	109
222	A combination of directing groups and chiral anion phase-transfer catalysis for enantioselective fluorination of alkenes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2013</b> , 110, 13729-33	11.5	104
221	Enantioselective cyclizations of silyloxyenynes catalyzed by cationic metal phosphine complexes. <i>Journal of the American Chemical Society</i> , <b>2012</b> , 134, 2742-9	16.4	101
220	Enantioselective synthesis of cyclic carbamimidates via a three-component reaction of imines, terminal alkynes, and p-toluenesulfonylisocyanate using a monophosphine gold(I) catalyst(). <i>Chemical Science</i> , <b>2011</b> , 2, 1369-1378	9.4	99

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