Michael J Krische

List of Publications by Year in Descending Order

300 papers	18,339 citations	82 h-index	120 g-index
343 ext. papers	20,087 ext. citations	12 avg, IF	7.33 L-index

#	Paper	IF	Citations
300	Enantioselective Iridium-Catalyzed Reductive Coupling of Dienes with Oxetanones and N-Acyl-Azetidinones Mediated by 2-Propanol.. *Angewandte Chemie - International Edition*, **2022**,	16.4	3
299	Kinetic, ESI□CIDMS, and Computational Studies of □Allyliridium C,O-Benzoate-Catalyzed Allylic Amination: Understanding the Effect of Cesium Ion. *ACS Catalysis*, **2022**, 12, 3660-3668	13.1	0
298	Understanding Halide Counterion Effects in Enantioselective Ruthenium-Catalyzed Carbonyl (□-Aryl)allylation: Alkynes as Latent Allenes and Trifluoroethanol-Enhanced Turnover in The Conversion of Ethanol to Higher Alcohols via Hydrogen Auto-transfer. *Journal of the American Chemical Society*, **2021**, 143, 16709-16717	16.4	2
297	Chemical Tuning of Exciton versus Charge-Transfer Excited States in Conformationally Restricted Arylene Cages. *Journal of the American Chemical Society*, **2021**, 143, 18548-18558	16.4	1
296	Ethanol: Unlocking an Abundant Renewable C2-Feedstock for Catalytic Enantioselective C□ Coupling. *Angewandte Chemie*, **2021**, 133, 10636-10640	3.6	
295	Ethanol: Unlocking an Abundant Renewable C -Feedstock for Catalytic Enantioselective C-C Coupling. *Angewandte Chemie - International Edition*, **2021**, 60, 10542-10546	16.4	5
294	From Hydrogenation to Transfer Hydrogenation to Hydrogen Auto-Transfer in Enantioselective Metal-Catalyzed Carbonyl Reductive Coupling: Past, Present, and Future. *ACS Catalysis*, **2021**, 11, 5572-5585	13.1	21
293	Total Synthesis of the Spliceosome Modulator Pladienolide B via Asymmetric Alcohol-Mediated syn- and anti-Diastereoselective Carbonyl Crotylation. *Angewandte Chemie - International Edition*, **2021**, 60, 13923-13928	16.4	0
292	Total Synthesis of the Spliceosome Modulator Pladienolide B via Asymmetric Alcohol-Mediated syn- and anti-Diastereoselective Carbonyl Crotylation. *Angewandte Chemie*, **2021**, 133, 14042-14047	3.6	0
291	Enantioselective Ruthenium-BINAP-Catalyzed Carbonyl Reductive Coupling of Alkoxyallenes: Convergent Construction of -Diols via ()-□Allylmetal Intermediates. *Journal of the American Chemical Society*, **2021**, 143, 8849-8854	16.4	9
290	Enantioselective Iridium-Catalyzed Allylation of Nitroalkanes: Entry to □Stereogenic □-Quaternary Primary Amines. *Journal of the American Chemical Society*, **2021**, 143, 9343-9349	16.4	5
289	Total Synthesis of Leiodermatolide A via Transfer Hydrogenative Allylation, Crotylation, and Propargylation: Polyketide Construction beyond Discrete Allyl- or Allenylmetal Reagents. *Journal of the American Chemical Society*, **2021**, 143, 10590-10595	16.4	4
288	Allenes and Dienes as Chiral Allylmetal Pronucleophiles in Catalytic Enantioselective C=X Addition: Historical Perspective and State-of-The-Art Survey. *Chemistry - A European Journal*, **2021**, 27, 13107-13116	4.8	13
287	Formate-Mediated Cross-Electrophile Reductive Coupling of Aryl Iodides and Bromopyridines. *Israel Journal of Chemistry*, **2021**, 61, 198-301	3.4	3
286	Ruthenium-Catalyzed Cycloadditions to Form Five-, Six-, and Seven-Membered Rings. *Chemical Reviews*, **2021**, 121, 4045-4083	68.1	11
285	Synthesis and Photophysical Properties of Soluble N-Doped Rubicenes via Ruthenium-Catalyzed Transfer Hydrogenative Benzannulation. *Chemistry - A European Journal*, **2021**, 27, 4898-4902	4.8	5
284	Diastereo- and Enantioselective Ruthenium-Catalyzed C-C Coupling of 1-Arylpropynes and Alcohols: Alkynes as Chiral Allylmetal Precursors in Carbonyl -(□-Aryl)allylation. *Journal of the American Chemical Society*, **2021**, 143, 2838-2845	16.4	8

283	Conversion of Primary Alcohols and Butadiene to Branched Ketones via Merged Transfer Hydrogenative Carbonyl Addition-Redox Isomerization Catalyzed by Rhodium. *Journal of the American Chemical Society*, **2021**, 143, 13507-13512	16.4	2
282	Regio- and Enantioselective Iridium-Catalyzed Amination of Alkyl-Substituted Allylic Acetates with Secondary Amines.. *Organic Letters*, **2021**,	6.2	1
281	Catalytic Reductive Aldol and Mannich Reactions of Enone, Acrylate, and Vinyl Heteroaromatic Pronucleophiles. *Chemical Reviews*, **2020**, 120, 3721-3748	68.1	29
280	Benzannulation through Ruthenium(0)-Catalyzed Transfer Hydrogenative Cycloaddition: Precision Synthesis and Photophysical Characterization of Soluble Diindenoperylenes. *Chemistry - A European Journal*, **2020**, 26, 7504-7510	4.8	4
279	Enantioselective Total Synthesis of Andrographolide and 14-Hydroxy-Colladonin: Carbonyl Reductive Coupling and trans-Decalin Formation by Hydrogen Transfer. *Angewandte Chemie*, **2020**, 132, 23369-23373	3.6	2
278	Enantioselective Total Synthesis of Andrographolide and 14-Hydroxy-Colladonin: Carbonyl Reductive Coupling and trans-Decalin Formation by Hydrogen Transfer. *Angewandte Chemie - International Edition*, **2020**, 59, 23169-23173	16.4	9
277	Direct Conversion of Primary Alcohols to 1,2-Amino Alcohols: Enantioselective Iridium-Catalyzed Carbonyl Reductive Coupling of Phthalimido-Allene via Hydrogen Auto-Transfer. *Journal of the American Chemical Society*, **2019**, 141, 14136-14141	16.4	25
276	Inversion of Enantioselectivity in Allene Gas versus Allyl Acetate Reductive Aldehyde Allylation Guided by Metal-Centered Stereogenicity: An Experimental and Computational Study. *ACS Catalysis* , **2019**, 9, 9158-9163	13.1	16
275	Rhodium-Catalyzed Aldehyde Arylation via Formate-Mediated Transfer Hydrogenation: Beyond Metallic Reductants in Grignard/Nozaki-Hiyami-Kishi-Type Addition. *Journal of the American Chemical Society*, **2019**, 141, 1828-1832	16.4	31
274	Cyclometalated Iridium-PhanePhos Complexes Are Active Catalysts in Enantioselective Allene-Fluoral Reductive Coupling and Related Alcohol-Mediated Carbonyl Additions That Form Acyclic Quaternary Carbon Stereocenters. *Journal of the American Chemical Society*, **2019**, 141, 2087-2096	16.4	25
273	Enantioselective iridium-catalyzed carbonyl isoprenylation via alcohol-mediated hydrogen transfer. *Chemical Communications*, **2019**, 55, 981-984	5.8	12
272	Total Synthesis of Clavosolide A via Asymmetric Alcohol-Mediated Carbonyl Allylation: Beyond Protecting Groups or Chiral Auxiliaries in Polyketide Construction. *Angewandte Chemie*, **2019**, 131, 10828-10832	3.6	
271	Feedstock Reagents in Metal-Catalyzed Carbonyl Reductive Coupling: Minimizing Preactivation for Efficiency in Target-Oriented Synthesis. *Angewandte Chemie*, **2019**, 131, 14193-14202	3.6	17
270	Feedstock Reagents in Metal-Catalyzed Carbonyl Reductive Coupling: Minimizing Preactivation for Efficiency in Target-Oriented Synthesis. *Angewandte Chemie - International Edition*, **2019**, 58, 14055-14064	16.4	57
269	Total Synthesis of Clavosolide A via Asymmetric Alcohol-Mediated Carbonyl Allylation: Beyond Protecting Groups or Chiral Auxiliaries in Polyketide Construction. *Angewandte Chemie - International Edition*, **2019**, 58, 10718-10722	16.4	8
268	Triple Helical Ir(ppy) Phenylene Cage Prepared by Diol-Mediated Benzannulation: Synthesis, Resolution, Absolute Stereochemistry and Photophysical Properties. *Chemistry - A European Journal* , **2019**, 25, 8719-8724	4.8	4
267	Regio- and Enantioselective Iridium-Catalyzed N-Allylation of Indoles and Related Azoles with Racemic Branched Alkyl-Substituted Allylic Acetates. *Angewandte Chemie*, **2019**, 131, 7844-7848	3.6	7
266	Conversion of Aldehydes to Branched or Linear Ketones via Regiodivergent Rhodium-Catalyzed Vinyl Bromide Reductive Coupling-Redox Isomerization Mediated by Formate. *Journal of the American Chemical Society*, **2019**, 141, 6864-6868	16.4	30

265	Catalytic Enantioselective Synthesis of Chiral Organofluorine Compounds: Alcohol-Mediated Hydrogen Transfer for Catalytic Carbonyl Reductive Coupling. *Organic Process Research and Development*, **2019**, 23, 730-736	3.9	6
264	Regio- and Enantioselective Iridium-Catalyzed N-Allylation of Indoles and Related Azoles with Racemic Branched Alkyl-Substituted Allylic Acetates. *Angewandte Chemie - International Edition*, **2019**, 58, 7762-7766	16.4	30
263	Catalytic Enantioselective Carbonyl Propargylation Beyond Preformed Carbanions: Reductive Coupling and Hydrogen Auto-Transfer. *ChemCatChem*, **2019**, 11, 324-332	5.2	17
262	Vinyl Triflate-Aldehyde Reductive Coupling-Redox Isomerization Mediated by Formate: Rhodium-Catalyzed Ketone Synthesis in the Absence of Stoichiometric Metals. *Chemistry - A European Journal*, **2019**, 25, 12517-12520	4.8	6
261	Total Synthesis and Structural Validation of Phosdiecin A via Asymmetric Alcohol-Mediated Carbonyl Reductive Coupling. *Journal of the American Chemical Society*, **2019**, 141, 13778-13782	16.4	7
260	Enantioselective Iridium-Catalyzed Allylation of Acetylenic Ketones via 2-Propanol-Mediated Reductive Coupling of Allyl Acetate: C14-C23 of Pladienolide D. *Angewandte Chemie*, **2019**, 131, 18979-18983	3.6	0
259	Enantioselective Iridium-Catalyzed Allylation of Acetylenic Ketones via 2-Propanol-Mediated Reductive Coupling of Allyl Acetate: C14-C23 of Pladienolide D. *Angewandte Chemie - International Edition*, **2019**, 58, 18803-18807	16.4	4
258	Successive Nucleophilic and Electrophilic Allylation for the Catalytic Enantioselective Synthesis of 2,4-Disubstituted Pyrrolidines. *Organic Letters*, **2019**, 21, 2493-2497	6.2	4
257	Regio- and Enantioselective Iridium-Catalyzed Amination of Racemic Branched Alkyl-Substituted Allylic Acetates with Primary and Secondary Aromatic and Heteroaromatic Amines. *Journal of the American Chemical Society*, **2019**, 141, 671-676	16.4	33
256	Helical Rod-like Phenylene Cages via Ruthenium Catalyzed Diol-Diene Benzannulation: A Cord of Three Strands. *Journal of the American Chemical Society*, **2018**, 140, 2455-2459	16.4	22
255	Amphiphilic Allyliridium C,O-Benzoates Enable Regio- and Enantioselective Amination of Branched Allylic Acetates Bearing Linear Alkyl Groups. *Journal of the American Chemical Society*, **2018**, 140, 1275-1279	16.4	38
254	Ruthenium(0)-katalysierte Cycloaddition von 1,2-Diolen, Ketolen oder Dionen durch Alkohol-vermittelte Wasserstoffübertragung. *Angewandte Chemie*, **2018**, 130, 3064-3073	3.6	3
253	Ruthenium(0)-Catalyzed Cycloaddition of 1,2-Diols, Ketols, or Diones via Alcohol-Mediated Hydrogen Transfer. *Angewandte Chemie - International Edition*, **2018**, 57, 3012-3021	16.4	21
252	Hydrogen-Mediated C–C Bond Formation: Stereo- and Site-Selective Chemical Synthesis Beyond Stoichiometric Organometallic Reagents. *Israel Journal of Chemistry*, **2018**, 58, 45-51	3.4	8
251	Selection between Diastereomeric Kinetic vs Thermodynamic Carbonyl Binding Modes Enables Enantioselective Iridium-Catalyzed anti-(α-Aryl)allylation of Aqueous Fluoral Hydrate and Difluoroacetaldehyde Ethyl Hemiacetal. *Journal of the American Chemical Society*, **2018**, 140, 9392-9395	16.4	15
250	Hydroamination versus Allylic Amination in Iridium-Catalyzed Reactions of Allylic Acetates with Amines: 1,3-Aminoalcohols via Ester-Directed Regioselectivity. *Journal of the American Chemical Society*, **2018**, 140, 9087-9090	16.4	16
249	Enantioselective Ruthenium-Catalyzed Benzocyclobutenone-Ketol Cycloaddition: Merging C-C Bond Activation and Transfer Hydrogenative Coupling for Type II Polyketide Construction. *Journal of the American Chemical Society*, **2018**, 140, 9091-9094	16.4	26
248	Intermolecular Metal-Catalyzed Reductive Coupling of Dienes, Allenes, and Enynes with Carbonyl Compounds and Imines. *Chemical Reviews*, **2018**, 118, 6026-6052	68.1	284

247	Enantioselective Iridium-Catalyzed Phthalide Formation through Internal Redox Allylation of Phthalaldehydes. *Angewandte Chemie*, **2018**, 130, 1404-1407	3.6	6
246	Enantioselective Iridium-Catalyzed Phthalide Formation through Internal Redox Allylation of Phthalaldehydes. *Angewandte Chemie - International Edition*, **2018**, 57, 1390-1393	16.4	23
245	Canvass: A Crowd-Sourced, Natural-Product Screening Library for Exploring Biological Space. *ACS Central Science*, **2018**, 4, 1727-1741	16.8	26
244	Alternating oligo(,-phenylenes) ruthenium catalyzed diol-diene benzannulation: orthogonality to cross-coupling enables nanographene and PAH construction. *Chemical Science*, **2018**, 9, 7866-7873	9.4	10
243	Catalytic Enantioselective Allylations of Acetylenic Aldehydes via 2-Propanol-Mediated Reductive Coupling. *Organic Letters*, **2018**, 20, 4144-4147	6.2	14
242	Asymmetric Allylation of Glycidols Mediated by Allyl Acetate via Iridium-Catalyzed Hydrogen Transfer. *Organic Letters*, **2017**, 19, 1252-1254	6.2	8
241	Ruthenium(0)-Catalyzed C-C Coupling of Alkynes and 3-Hydroxy-2-oxindoles: Direct C-H Vinylation of Alcohols. *Organic Letters*, **2017**, 19, 966-968	6.2	13
240	Nickel-Catalyzed Cross-Coupling of Vinyl Dioxanones to Form Enantiomerically Enriched Cyclopropanes. *Journal of the American Chemical Society*, **2017**, 139, 6847-6850	16.4	20
239	Alkine als alternativer Einstieg in elektrophile und nukleophile Übergangsmetall-katalysierte Allylierungen. *Angewandte Chemie*, **2017**, 129, 11466-11480	3.6	34
238	Alkynes as Electrophilic or Nucleophilic Allylmetal Precursors in Transition-Metal Catalysis. *Angewandte Chemie - International Edition*, **2017**, 56, 11312-11325	16.4	98
237	Reductive C-C Coupling Hydrogenation and Transfer Hydrogenation: Departure from Stoichiometric Metals in Carbonyl Addition. *Current Opinion in Green and Sustainable Chemistry*, **2017**, 7, 1-5	7.9	2
236	Enantioselective Formation of CF-Bearing All-Carbon Quaternary Stereocenters via C-H Functionalization of Methanol: Iridium Catalyzed Allene Hydrohydroxymethylation. *Journal of the American Chemical Society*, **2017**, 139, 8114-8117	16.4	76
235	Enantioselective Synthesis of Oxetanes Bearing All-Carbon Quaternary Stereocenters via Iridium-Catalyzed C-C Bond-Forming Transfer Hydrogenation. *Chemistry - A European Journal*, **2017**, 23, 2557-2559	4.8	20
234	Diols as Dienophiles: Bridged Carbocycles via Ruthenium(0)-Catalyzed Transfer Hydrogenative Cycloadditions of Cyclohexadiene or Norbornadiene. *Angewandte Chemie*, **2017**, 129, 14859-14863	3.6	3
233	Ruthenium-catalyzed insertion of adjacent diol carbon atoms into C-C bonds: Entry to type II polyketides. *Science*, **2017**, 357, 779-781	33.3	33
232	Carbonyl anti-(-Amino)allylation via Ruthenium Catalyzed Hydrogen Autotransfer: Use of an Acetylenic Pyrrole as an Allylmetal Pronucleophile. *Organic Letters*, **2017**, 19, 4876-4879	6.2	18
231	Acyclic Quaternary Carbon Stereocenters via Enantioselective Transition Metal Catalysis. *Chemical Reviews*, **2017**, 117, 12564-12580	68.1	239
230	Diols as Dienophiles: Bridged Carbocycles via Ruthenium(0)-Catalyzed Transfer Hydrogenative Cycloadditions of Cyclohexadiene or Norbornadiene. *Angewandte Chemie - International Edition*, **2017**, 56, 14667-14671	16.4	11

229	Catalytic Enantioselective Carbonyl Allylation and Propargylation via Alcohol-Mediated Hydrogen Transfer: Merging the Chemistry of Grignard and Sabatier. *Accounts of Chemical Research*, **2017**, 50, 2371-2380	24.3	173
228	Synthesis of the C(1)-C(13) Fragment of Leiodermatolide via Hydrogen-Mediated C-C Bond Formation. *Organic Letters*, **2017**, 19, 6634-6637	6.2	4
227	Thermal Hetero-Diels-Alder Reaction of Benzocyclobutenones with Isatins To Form 2-Oxindole Spirolactones. *Journal of Organic Chemistry*, **2017**, 82, 13751-13755	4.2	10
226	Asymmetric Iridium-Catalyzed C-C Coupling of Chiral Diols via Site-Selective Redox-Triggered Carbonyl Addition. *Topics in Current Chemistry*, **2016**, 372, 85-101		24
225	Osmium(0)-Catalyzed C-C Coupling of Ethylene and □-Olefins with Diols, Ketols, or Hydroxy Esters via Transfer Hydrogenation. *Journal of Organic Chemistry*, **2016**, 81, 8585-94	4.2	21
224	Modular Terpenoid Construction via Catalytic Enantioselective Formation of All-Carbon Quaternary Centers: Total Synthesis of Oridamycin A, Triptoquinones B and C, and Isoiresin. *Journal of the American Chemical Society*, **2016**, 138, 12364-7	16.4	31
223	Total Synthesis of Swinholide A: An Exposition in Hydrogen-Mediated C-C Bond Formation. *Journal of the American Chemical Society*, **2016**, 138, 14246-14249	16.4	38
222	Enantioselective Formation of All-Carbon Quaternary Centers via C-H Functionalization of Methanol: Iridium-Catalyzed Diene Hydrohydroxymethylation. *Journal of the American Chemical Society*, **2016**, 138, 14210-14213	16.4	102
221	Metal-catalyzed reductive coupling of olefin-derived nucleophiles: Reinventing carbonyl addition. *Science*, **2016**, 354,	33.3	222
220	Total Synthesis of Cryptocaryol A by Enantioselective Iridium-Catalyzed Alcohol C□H Allylation. *Angewandte Chemie*, **2016**, 128, 5133-5136	3.6	2
219	Ruthenium(0)-Catalyzed [4+2] Cycloaddition of Acetylenic Aldehydes with □-Ketols: Convergent Construction of Angucycline Ring Systems. *Angewandte Chemie - International Edition*, **2016**, 55, 1493-7	16.4	35
218	Total Synthesis of Cryptocaryol A by Enantioselective Iridium-Catalyzed Alcohol C-H Allylation. *Angewandte Chemie - International Edition*, **2016**, 55, 5049-52	16.4	13
217	Total Synthesis of (+)-SCH 351448: Efficiency via Chemoselectivity and Redox-Economy Powered by Metal Catalysis. *Journal of the American Chemical Society*, **2016**, 138, 8088-91	16.4	11
216	Ruthenium-Catalyzed Transfer Hydrogenation for C-C Bond Formation: Hydrohydroxyalkylation and Hydroaminoalkylation via Reactant Redox Pairs. *Topics in Current Chemistry*, **2016**, 374, 35	7.2	27
215	Diene hydroaminomethylation ruthenium-catalyzed C-C bond forming transfer hydrogenation: beyond carbonylation. *Chemical Science*, **2016**, 7, 136-141	9.4	96
214	Hydroxymethylation beyond Carbonylation: Enantioselective Iridium-Catalyzed Reductive Coupling of Formaldehyde with Allylic Acetates via Enantiotopic □Facial Discrimination. *Journal of the American Chemical Society*, **2016**, 138, 3655-8	16.4	34
213	Ruthenium-Catalyzed Transfer Hydrogenation for C□ Bond Formation: Hydrohydroxyalkylation and Hydroaminoalkylation via Reactant Redox Pairs. *Topics in Current Chemistry Collections*, **2016**, 365-387	1.8	14
212	C-Propargylation Overrides O-Propargylation in Reactions of Propargyl Chloride with Primary Alcohols: Rhodium-Catalyzed Transfer Hydrogenation. *Angewandte Chemie*, **2016**, 128, 9353-9357	3.6	4

211	C-Propargylation Overrides O-Propargylation in Reactions of Propargyl Chloride with Primary Alcohols: Rhodium-Catalyzed Transfer Hydrogenation. *Angewandte Chemie - International Edition*, **2016**, 55, 9207-11	16.4	19
210	Ruthenium(0)-Catalyzed [4+2] Cycloaddition of Acetylenic Aldehydes with -Ketols: Convergent Construction of Angucycline Ring Systems. *Angewandte Chemie*, **2016**, 128, 1515-1519	3.6	13
209	Regioselective Hydrohydroxyalkylation of Styrene with Primary Alcohols or Aldehydes via Ruthenium-Catalyzed C Bond Forming Transfer Hydrogenation. *Angewandte Chemie*, **2016**, 128, 16353-16356	3.6	11
208	Regioselective Hydrohydroxyalkylation of Styrene with Primary Alcohols or Aldehydes via Ruthenium-Catalyzed C-C Bond Forming Transfer Hydrogenation. *Angewandte Chemie - International Edition*, **2016**, 55, 16119-16122	16.4	15
207	Diols, -Ketols, and Diones as 2 Components in [2+2+2] Cycloadditions of 1,6-Diynes via Ruthenium(0)-Catalyzed Transfer Hydrogenation. *Journal of the American Chemical Society*, **2016**, 138, 16244-16247	16.4	27
206	Ruthenium-BINAP Catalyzed Alcohol C-H tert-Prenylation via 1,3-Enyne Transfer Hydrogenation: Beyond Stoichiometric Carbanions in Enantioselective Carbonyl Propargylation. *Journal of the American Chemical Society*, **2016**, 138, 5238-41	16.4	65
205	Enantioselective Alcohol C-H Functionalization for Polyketide Construction: Unlocking Redox-Economy and Site-Selectivity for Ideal Chemical Synthesis. *Journal of the American Chemical Society*, **2016**, 138, 5467-78	16.4	112
204	Evaluation of Chromane-Based Bryostatin Analogues Prepared via Hydrogen-Mediated C-C Bond Formation: Potency Does Not Confer Bryostatin-like Biology. *Journal of the American Chemical Society*, **2016**, 138, 13415-13423	16.4	30
203	Ruthenium-Catalyzed Asymmetric Hydrohydroxyalkylation of Butadiene: The Role of the Formyl Hydrogen Bond in Stereochemical Control. *Journal of the American Chemical Society*, **2015**, 137, 8838-50	16.4	51
202	Reductive Cyclization of Halo-Ketones to Form 3-Hydroxy-2-Oxindoles Palladium Catalyzed Hydrogenation: A Hydrogen-Mediated Grignard Addition. *Tetrahedron*, **2015**, 71, 5776-5780	2.4	19
201	Direct Generation of Triketide Stereopolyads via Merged Redox-Construction Events: Total Synthesis of (+)-Zincophorin Methyl Ester. *Journal of the American Chemical Society*, **2015**, 137, 8900-3	16.4	39
200	Diastereo- and Enantioselective Iridium Catalyzed Coupling of Vinyl Aziridines with Alcohols: Site-Selective Modification of Unprotected Diols and Synthesis of Substituted Piperidines. *Journal of the American Chemical Society*, **2015**, 137, 7915-20	16.4	33
199	Ruthenium-catalyzed C-C coupling of fluorinated alcohols with allenes: dehydrogenation at the energetic limit of hydride elimination. *Angewandte Chemie - International Edition*, **2015**, 54, 5465-9	16.4	41
198	Enantioselective ruthenium-catalyzed carbonyl allylation via alkyne-alcohol C-C bond-forming transfer hydrogenation: allene hydrometalation vs oxidative coupling. *Journal of the American Chemical Society*, **2015**, 137, 3161-4	16.4	60
197	Ruthenium(0) Catalyzed Endiyne--Ketol [4 + 2] Cycloaddition: Convergent Assembly of Type II Polyketide Substructures via C-C Bond Forming Transfer Hydrogenation. *Journal of the American Chemical Society*, **2015**, 137, 5883-6	16.4	26
196	Ruthenium Catalyzed Diastereo- and Enantioselective Coupling of Propargyl Ethers with Alcohols: Siloxy-Crotylation via Hydride Shift Enabled Conversion of Alkynes to Allyls. *Journal of the American Chemical Society*, **2015**, 137, 13066-71	16.4	35
195	Formal Synthesis of Premisakinolide A and C(19)-C(32) of Swinholide A via Site-Selective C-H Allylation and Crotylation of Unprotected Diols. *Organic Letters*, **2015**, 17, 4686-9	6.2	11
194	Paraformaldehyde and methanol as C1 feedstocks in metal-catalyzed C-C couplings of unsaturated reactants: beyond hydroformylation. *Angewandte Chemie - International Edition*, **2015**, 54, 3267-74	16.4	105

193	Hydroaminomethylation Beyond Carbonylation: Allene–Imine Reductive Coupling by Ruthenium-Catalyzed Transfer Hydrogenation. *Angewandte Chemie*, **2015**, 127, 8645-8648	3.6	29
192	Diastereo- and Enantioselective Iridium Catalyzed Carbonyl (α-Cyclopropyl)allylation via Transfer Hydrogenation. *Chemistry - A European Journal*, **2015**, 21, 12903-7	4.8	11
191	Hydroaminomethylation Beyond Carbonylation: Allene-Imine Reductive Coupling by Ruthenium-Catalyzed Transfer Hydrogenation. *Angewandte Chemie - International Edition*, **2015**, 54, 8525-8	16.4	91
190	Paraformaldehyd und Methanol als C1-Rohstoffe in metallkatalysierten C-C-Kupplungen ungesättigter Edukte. *Angewandte Chemie*, **2015**, 127, 3317-3325	3.6	37
189	Ruthenium-Catalyzed C?C Coupling of Fluorinated Alcohols with Allenes: Dehydrogenation at the Energetic Limit of β-Hydride Elimination. *Angewandte Chemie*, **2015**, 127, 5555-5559	3.6	13
188	A Metallacycle Fragmentation Strategy for Vinyl Transfer from Enol Carboxylates to Secondary Alcohol C-H Bonds via Osmium- or Ruthenium-Catalyzed Transfer Hydrogenation. *Journal of the American Chemical Society*, **2015**, 137, 7652-5	16.4	18
187	Iridium-Catalyzed C-C Coupling of a Simple Propargyl Ether with Primary Alcohols: Enantioselective Homoaldol Addition via Redox-Triggered (Z)-Siloxyallylation. *Journal of the American Chemical Society*, **2015**, 137, 16024-7	16.4	38
186	Ruthenium-catalyzed C-C coupling of amino alcohols with dienes via transfer hydrogenation: redox-triggered imine addition and related hydroaminoalkylations. *Journal of the American Chemical Society*, **2015**, 137, 1798-801	16.4	59
185	Catalytic C-C Bond Formation and the Hendricksonian Ideal: Atom- and Redox-Economy, Stereo- and Site-Selectivity. *Aldrichimica Acta*, **2015**, 48, 15	9	5
184	Polyketide construction via hydrohydroxyalkylation and related alcohol C-H functionalizations: reinventing the chemistry of carbonyl addition. *Natural Product Reports*, **2014**, 31, 504-13	15.1	122
183	Redox-triggered C-C coupling of diols and alkynes: synthesis of β,γ-unsaturated α-hydroxyketones and furans by ruthenium-catalyzed hydrohydroxyalkylation. *Angewandte Chemie - International Edition*, **2014**, 53, 3232-5	16.4	44
182	Catalyst-directed diastereo- and site-selectivity in successive nucleophilic and electrophilic allylations of chiral 1,3-diols: protecting-group-free synthesis of substituted pyrans. *Chemistry - A European Journal*, **2014**, 20, 13382-9	4.8	51
181	Ring expansion of cyclic 1,2-diols to form medium sized rings via ruthenium catalyzed transfer hydrogenative [4+2] cycloaddition. *Chemical Communications*, **2014**, 50, 7545-7	5.8	26
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