

Huw M L Davies

List of Publications by Year in Descending Order

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

321
papers

23,792
citations

84
h-index

140
g-index

438
ext. papers

26,413
ext. citations

9.8
avg, IF

7.64
L-index

#	Paper	IF	Citations
321	Mechanistically Guided Workflow for Relating Complex Reactive Site Topologies to Catalyst Performance in C-H Functionalization Reactions.. <i>Journal of the American Chemical Society</i> , 2022 ,	16.4	1
320	Copper(II) Acetate-Induced Oxidation of Hydrazones to Diazo Compounds under Flow Conditions Followed by Dirhodium-Catalyzed Enantioselective Cyclopropanation Reactions. <i>Organic Letters</i> , 2021 , 23, 5363-5367	6.2	4
319	Influence of Aryl Substituents on the Alignment of Ligands in the Dirhodium Tetrakis(1,2,2-Triarylcyclopropane- carboxylate) Catalysts. <i>ChemCatChem</i> , 2021 , 13, 174-179	5.2	4
318	Copper-Catalyzed Oxidation of Hydrazones to Diazo Compounds Using Oxygen as the Terminal Oxidant. <i>ACS Catalysis</i> , 2021 , 11, 2676-2683	13.1	4
317	Copper-Catalyzed, Aerobic Oxidation of Hydrazone in a Three-Phase Packed Bed Reactor. <i>Organic Process Research and Development</i> , 2021 , 25, 1911-1922	3.9	0
316	Asymmetric synthesis of pharmaceutically relevant 1-aryl-2-heteroaryl- and 1,2-diheteroarylcyclopropane-1-carboxylates. <i>Chemical Science</i> , 2021 , 12, 11181-11190	9.4	10
315	A C-H Functionalization Strategy Enables an Enantioselective Formal Synthesis of (-)-Aflatoxin B. <i>Organic Letters</i> , 2021 ,	6.2	2
314	Optimized Immobilization Strategy for Dirhodium(II) Carboxylate Catalysts for C-H Functionalization and Their Implementation in a Packed Bed Flow Reactor. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 19525-19531	16.4	9
313	Optimized Immobilization Strategy for Dirhodium(II) Carboxylate Catalysts for C-H Functionalization and Their Implementation in a Packed Bed Flow Reactor. <i>Angewandte Chemie</i> , 2020 , 132, 19693-19699	3.6	0
312	Donor-Acceptor-Acceptor 1,3-Bisdiazo Compounds: An Exploration of Synthesis and Stepwise Reactivity. <i>Organic Letters</i> , 2020 , 22, 1791-1795	6.2	2
311	Distal Allylic/Benzylic C-H Functionalization of Silyl Ethers Using Donor/Acceptor Rhodium(II) Carbenes. <i>Angewandte Chemie</i> , 2020 , 132, 7467-7472	3.6	2
310	Enantioselective C-H functionalization of bicyclo[1.1.1]pentanes. <i>Nature Catalysis</i> , 2020 , 3, 351-357	36.5	28
309	Visible-light mediated oxidative ring expansion of anellated cyclopropanes to fused endoperoxides with antimalarial activity. <i>Organic Chemistry Frontiers</i> , 2020 , 7, 1789-1795	5.2	12
308	Rhodium-Stabilized Diarylcarbenes Behaving as Donor/Acceptor Carbenes. <i>ACS Catalysis</i> , 2020 , 10, 6240-6247	19.2	27
307	Rhodium-Catalyzed Enantioselective [4+2] Cycloadditions of Vinylcarbenes with Dienes. <i>Angewandte Chemie</i> , 2020 , 132, 4967-4971	3.6	1
306	Regio- and Stereoselective Rhodium(II)-Catalyzed C-H Functionalization of Cyclobutanes. <i>Chem</i> , 2020 , 6, 304-313	16.2	12
305	In Situ Kinetic Studies of Rh(II)-Catalyzed Asymmetric Cyclopropanation with Low Catalyst Loadings. <i>ACS Catalysis</i> , 2020 , 10, 1161-1170	13.1	26

304	Functionalization of Piperidine Derivatives for the Site-Selective and Stereoselective Synthesis of Positional Analogues of Methylphenidate. <i>Chemistry - A European Journal</i> , 2020 , 26, 4236-4241	4.8	19
303	Distal Allylic/Benzylic C-H Functionalization of Silyl Ethers Using Donor/Acceptor Rhodium(II) Carbenes. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 7397-7402	16.4	9
302	Rhodium-Catalyzed Enantioselective [4+2] Cycloadditions of Vinylcarbenes with Dienes. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 4937-4941	16.4	8
301	Comparison of 1,2-Diarylcyclopropanecarboxylates with 1,2,2-Triarylcyclopropanecarboxylates as Chiral Ligands for Dirhodium-Catalyzed Cyclopropanation and C-H Functionalization. <i>Journal of Organic Chemistry</i> , 2020 , 85, 12199-12211	4.2	5
300	Finding Opportunities from Surprises and Failures. Development of Rhodium-Stabilized Donor/Acceptor Carbenes and Their Application to Catalyst-Controlled C-H Functionalization. <i>Journal of Organic Chemistry</i> , 2019 , 84, 12722-12745	4.2	35
299	Regio- and Stereoselective Rhodium(II)-Catalyzed C-H Functionalization of Organosilanes by Donor/Acceptor Carbenes Derived from Aryldiazoacetates. <i>Organic Letters</i> , 2019 , 21, 4910-4914	6.2	17
298	Dirhodium tetracarboxylates as catalysts for selective intermolecular C-H functionalization. <i>Nature Reviews Chemistry</i> , 2019 , 3, 347-360	34.6	110
297	Rh(II)-Catalyzed Monocyclopropanation of Pyrroles and Its Application to the Synthesis of Pharmaceutically Relevant Compounds. <i>Organic Letters</i> , 2019 , 21, 6102-6106	6.2	14
296	C-H Functionalization Approach for the Synthesis of Chiral -Symmetric 1,5-Cyclooctadiene Ligands. <i>Organic Letters</i> , 2019 , 21, 9864-9868	6.2	8
295	Rhodium(II) Tetracarboxylate-Catalyzed Enantioselective C-H Functionalization Reactions 2019 , 341-372		1
294	Harnessing the Silicon Effect for Regioselective and Stereoselective Rhodium(II)-Catalyzed C-H Functionalization by Donor/Acceptor Carbenes Derived from 1-Sulfonyl-1,2,3-triazoles. <i>Organic Letters</i> , 2018 , 20, 2168-2171	6.2	22
293	Formation of Tertiary Alcohols from the Rhodium-Catalyzed Reactions of Donor/Acceptor Carbenes with Esters. <i>Organic Letters</i> , 2018 , 20, 2399-2402	6.2	8
292	Site-Selective Carbene-Induced C-H Functionalization Catalyzed by Dirhodium Tetrakis(triarylcyclopropanecarboxylate) Complexes. <i>ACS Catalysis</i> , 2018 , 8, 678-682	13.1	40
291	Design of catalysts for site-selective and enantioselective functionalization of non-activated primary C-H bonds. <i>Nature Chemistry</i> , 2018 , 10, 1048-1055	17.6	86
290	Rhodium-Catalyzed Intermolecular C-H Functionalization as a Key Step in the Synthesis of Complex Stereodefined Arylpyrrolidines. <i>Organic Letters</i> , 2018 , 20, 3771-3775	6.2	27
289	Synthesis of [3a,7a]-Dihydroindoles by a Tandem Arene Cyclopropanation/3,5-Sigmatropic Rearrangement Reaction. <i>Journal of Organic Chemistry</i> , 2018 , 83, 7939-7949	4.2	7
288	Desymmetrization of cyclohexanes by site- and stereoselective C-H functionalization. <i>Nature</i> , 2018 , 564, 395-399	50.4	61
287	Catalyst-Controlled Selective Functionalization of Unactivated C-H Bonds in the Presence of Electronically Activated C-H Bonds. <i>Journal of the American Chemical Society</i> , 2018 , 140, 12247-12255	16.4	43

286	Comparison of Reactivity and Enantioselectivity between Chiral Bimetallic Catalysts: BismuthRhodium- and Dirhodium-Catalyzed Carbene Chemistry. <i>ACS Catalysis</i> , 2018 , 8, 10676-10682	13.1	24
285	Blue light-promoted photolysis of aryldiazoacetates. <i>Chemical Science</i> , 2018 , 9, 5112-5118	9.4	149
284	An Immobilized-Dirhodium Hollow-Fiber Flow Reactor for Scalable and Sustainable C-H Functionalization in Continuous Flow. <i>Angewandte Chemie</i> , 2018 , 130, 11089-11093	3.6	12
283	An Immobilized-Dirhodium Hollow-Fiber Flow Reactor for Scalable and Sustainable C-H Functionalization in Continuous Flow. <i>Angewandte Chemie - International Edition</i> , 2018 , 57, 10923-10927	16.4	39
282	Synthesis of 2,2,2-Trichloroethyl Aryl- and Vinyldiazoacetates by Palladium-Catalyzed Cross-Coupling. <i>Chemistry - A European Journal</i> , 2017 , 23, 3272-3275	4.8	16
281	Metal-Free C-H Functionalization of Alkanes by Aryldiazoacetates. <i>Organic Letters</i> , 2017 , 19, 770-773	6.2	38
280	Dirhodium(II) Tetraacetate 2017 , 1-16		
279	Synthesis of Donor/Acceptor-Substituted Diazo Compounds in Flow and Their Application in Enantioselective Dirhodium-Catalyzed Cyclopropanation and C-H Functionalization. <i>Organic Letters</i> , 2017 , 19, 3055-3058	6.2	25
278	Scope of the Reactions of Indolyl- and Pyrrolyl-Tethered N-Sulfonyl-1,2,3-triazoles: Rhodium(II)-Catalyzed Synthesis of Indole- and Pyrrole-Fused Polycyclic Compounds. <i>Organic Letters</i> , 2017 , 19, 1504-1507	6.2	47
277	Rh(II)-Catalyzed Cyclopropanation of Furans and Its Application to the Total Synthesis of Natural Product Derivatives. <i>Organic Letters</i> , 2017 , 19, 4722-4725	6.2	39
276	Rhodium- and Non-Metal-Catalyzed Approaches for the Conversion of Isoxazol-5-ones to 2,3-Dihydro-6H-1,3-oxazin-6-ones. <i>Organic Letters</i> , 2017 , 19, 5158-5161	6.2	22
275	Collective Approach to Advancing C-H Functionalization. <i>ACS Central Science</i> , 2017 , 3, 936-943	16.8	135
274	Site-selective and stereoselective functionalization of non-activated tertiary C-H bonds. <i>Nature</i> , 2017 , 551, 609-613	50.4	173
273	Rapid Construction of a Benzo-Fused Indoxamycin Core Enabled by Site-Selective C-H Functionalizations. <i>Angewandte Chemie - International Edition</i> , 2016 , 55, 8270-4	16.4	27
272	Enantioselective Intermolecular C-H Functionalization of Allylic and Benzylic sp ³ C-H Bonds Using N-Sulfonyl-1,2,3-triazoles. <i>Organic Letters</i> , 2016 , 18, 3118-21	6.2	44
271	Iridium(III)-bis(imidazolyl)phenyl catalysts for enantioselective C-H functionalization with ethyl diazoacetate. <i>Chemical Science</i> , 2016 , 7, 3142-3146	9.4	46
270	Rapid Construction of a Benzo-Fused Indoxamycin Core Enabled by Site-Selective C-H Functionalizations. <i>Angewandte Chemie</i> , 2016 , 128, 8410-8414	3.6	2
269	Rhodium(II)-Catalyzed C-H Functionalization of Electron-Deficient Methyl Groups. <i>Journal of the American Chemical Society</i> , 2016 , 138, 5761-4	16.4	30

268	Site-selective and stereoselective functionalization of unactivated C-H bonds. <i>Nature</i> , 2016 , 533, 230-4	50.4	220
267	Rhodium-Catalyzed [4+3] Cycloaddition to Furans: Direct Access to Functionalized Bicyclo[5.3.0]decane Derivatives. <i>European Journal of Organic Chemistry</i> , 2016 , 2016, 41-44	3.2	10
266	Enantioselective Dirhodium(II)-Catalyzed Cyclopropanations with Trimethylsilylethyl and Trichloroethyl Aryldiazoacetates. <i>Tetrahedron</i> , 2015 , 71, 7415-7420	2.4	33
265	Using IR vibrations to quantitatively describe and predict site-selectivity in multivariate Rh-catalyzed C-H functionalization. <i>Chemical Science</i> , 2015 , 6, 3057-3062	9.4	40
264	Composite polymer/oxide hollow fiber contactors: versatile and scalable flow reactors for heterogeneous catalytic reactions in organic synthesis. <i>Angewandte Chemie - International Edition</i> , 2015 , 54, 6470-4	16.4	47
263	Methyl Phenyl diazoacetate 2015 , 1-10		
262	Composite Polymer/Oxide Hollow Fiber Contactors: Versatile and Scalable Flow Reactors for Heterogeneous Catalytic Reactions in Organic Synthesis. <i>Angewandte Chemie</i> , 2015 , 127, 6570-6574	3.6	18
261	Concise syntheses of dictyodendrins A and F by a sequential C-H functionalization strategy. <i>Journal of the American Chemical Society</i> , 2015 , 137, 644-7	16.4	107
260	Stereoselective synthesis of highly substituted cyclohexanes by a rhodium-carbene initiated domino sequence. <i>Organic Letters</i> , 2015 , 17, 794-7	6.2	18
259	Late-stage C-H functionalization of complex alkaloids and drug molecules via intermolecular rhodium-carbenoid insertion. <i>Nature Communications</i> , 2015 , 6, 5943	17.4	96
258	Diversity-oriented synthesis as a tool for identifying new modulators of mitosis. <i>Nature Communications</i> , 2014 , 5, 3155	17.4	68
257	Enantioselective synthesis of (-)-maoecrystal V by enantiodetermining C-H functionalization. <i>Journal of the American Chemical Society</i> , 2014 , 136, 17738-49	16.4	85
256	Synthesis of complex hexacyclic compounds via a tandem Rh(II)-catalyzed double-cyclopropanation/Cope rearrangement/Diels-Alder reaction. <i>Organic Letters</i> , 2014 , 16, 4794-7	6.2	17
255	Highly stereoselective synthesis of cyclopentanes bearing four stereocentres by a rhodium carbene-initiated domino sequence. <i>Nature Communications</i> , 2014 , 5, 4455	17.4	32
254	Reactions of metallocarbenes derived from N-sulfonyl-1,2,3-triazoles. <i>Chemical Society Reviews</i> , 2014 , 43, 5151-62	58.5	437
253	Role of sterically demanding chiral dirhodium catalysts in site-selective C-H functionalization of activated primary C-H bonds. <i>Journal of the American Chemical Society</i> , 2014 , 136, 9792-6	16.4	128
252	Mild aminoacylation of indoles and pyrroles through a three-component reaction with ynol ethers and sulfonyl azides. <i>Journal of the American Chemical Society</i> , 2014 , 136, 10266-9	16.4	112
251	Role of ortho-substituents on rhodium-catalyzed asymmetric synthesis of β -lactones by intramolecular C-H insertions of aryldiazoacetates. <i>Organic Letters</i> , 2014 , 16, 3036-9	6.2	37

250	Reversal of the Regiochemistry in the Rhodium-Catalyzed [4+3] Cycloaddition between Vinyldiazoacetates and Dienes. <i>Angewandte Chemie</i> , 2014 , 126, 13299-13303	3.6	21
249	Reversal of the regiochemistry in the rhodium-catalyzed [4+3] cycloaddition between vinyldiazoacetates and dienes. <i>Angewandte Chemie - International Edition</i> , 2014 , 53, 13083-7	16.4	51
248	2,2,2-Trichloroethyl aryldiazoacetates as robust reagents for the enantioselective C-H functionalization of methyl ethers. <i>Journal of the American Chemical Society</i> , 2014 , 136, 17718-21	16.4	73
247	Rhodium-catalyzed tandem cyclopropanation/Cope rearrangement of 4-alkenyl-1-sulfonyl-1,2,3-triazoles with dienes. <i>Angewandte Chemie - International Edition</i> , 2013 , 52, 10044-7	16.4	101
246	Conversion of cyclic ketones to 2,3-fused pyrroles and substituted indoles. <i>Journal of the American Chemical Society</i> , 2013 , 135, 11712-5	16.4	146
245	Enantioselective Gold(I)-catalyzed vinylogous [3 + 2] cycloaddition between vinyldiazoacetates and enol ethers. <i>Journal of the American Chemical Society</i> , 2013 , 135, 13314-7	16.4	104
244	Reactions of Indoles with Metal-Bound Carbenoids. <i>Advances in Heterocyclic Chemistry</i> , 2013 , 110, 43-72	2.4	11
243	Silica-immobilized chiral dirhodium(II) catalyst for enantioselective carbenoid reactions. <i>Organic Letters</i> , 2013 , 15, 6136-9	6.2	56
242	Rhodium-Catalyzed Tandem Cyclopropanation/Cope Rearrangement of 4-Alkenyl-1-sulfonyl-1,2,3-triazoles with Dienes. <i>Angewandte Chemie</i> , 2013 , 125, 10228-10231	3.6	31
241	Rh ₂ (R-TPCP) ₄ -catalyzed enantioselective [3+2]-cycloaddition between nitrones and vinyldiazoacetates. <i>Journal of the American Chemical Society</i> , 2013 , 135, 14516-9	16.4	84
240	Enantioselective synthesis of 2-arylbi-cyclo[1.1.0]butane carboxylates. <i>Organic Letters</i> , 2013 , 15, 310-3	6.2	29
239	Rhodium-catalyzed conversion of furans to highly functionalized pyrroles. <i>Journal of the American Chemical Society</i> , 2013 , 135, 4716-8	16.4	199
238	Sequential C-H functionalization reactions for the enantioselective synthesis of highly functionalized 2,3-dihydrobenzofurans. <i>Journal of the American Chemical Society</i> , 2013 , 135, 6774-7	16.4	126
237	Iridium(III)-bis(oxazolonyl)phenyl catalysts for enantioselective C-H functionalization. <i>Chemical Science</i> , 2013 , 4, 2590	9.4	43
236	Rhodium-catalyzed enantioselective cyclopropanation of electron deficient alkenes. <i>Chemical Science</i> , 2013 , 4, 2844-2850	9.4	98
235	Catalytic asymmetric synthesis of pyrroloindolines via a rhodium(II)-catalyzed annulation of indoles. <i>Journal of the American Chemical Society</i> , 2013 , 135, 6802-5	16.4	319
234	Influence of an internal trifluoromethyl group on the rhodium(II)-catalyzed reactions of vinyldiazocarbonyl compounds. <i>Journal of Organic Chemistry</i> , 2013 , 78, 4239-44	4.2	14
233	Guide to Enantioselective Dirhodium(II)-Catalyzed Cyclopropanation with Aryldiazoacetates. <i>Tetrahedron</i> , 2013 , 69, 5765-5765	2.4	38

232	Rhodium(II)-catalyzed stereoselective synthesis of allylsilanes. <i>Organic Letters</i> , 2013 , 15, 6120-3	6.2	12
231	Silver-catalyzed vinylogous fluorination of vinyl diazoacetates. <i>Organic Letters</i> , 2013 , 15, 6152-4	6.2	49
230	Direct spectroscopic characterization of a transitory dirhodium donor-acceptor carbene complex. <i>Science</i> , 2013 , 342, 351-4	33.3	146
229	Metal-free N-H insertions of donor/acceptor carbenes. <i>Organic Letters</i> , 2012 , 14, 4626-9	6.2	50
228	Expanding the scope of donor/acceptor carbenes to N-phthalimido donor groups: diastereoselective synthesis of 1-cyclopropane β -amino acids. <i>Organic Letters</i> , 2012 , 14, 6020-3	6.2	105
227	Scope and mechanistic analysis of the enantioselective synthesis of allenes by rhodium-catalyzed tandem ylide formation/[2,3]-sigmatropic rearrangement between donor/acceptor carbenoids and propargylic alcohols. <i>Journal of the American Chemical Society</i> , 2012 , 134, 15497-504	16.4	143
226	Rhodium-catalyzed enantioselective vinylogous addition of enol ethers to vinyl diazoacetates. <i>Journal of the American Chemical Society</i> , 2012 , 134, 18241-4	16.4	74
225	Gold(I)-catalyzed asymmetric cyclopropanation of internal alkynes. <i>Journal of the American Chemical Society</i> , 2012 , 134, 11916-9	16.4	180
224	Novel aromatase inhibitors by structure-guided design. <i>Journal of Medicinal Chemistry</i> , 2012 , 55, 8464-76	6.3	116
223	Convenient method for the functionalization of the 4- and 6-positions of the androgen skeleton. <i>Chemical Communications</i> , 2012 , 48, 5838-40	5.8	19
222	Social dominance in female monkeys: dopamine receptor function and cocaine reinforcement. <i>Biological Psychiatry</i> , 2012 , 72, 414-21	7.9	58
221	Transition Metal-Catalyzed C-H Functionalization: Synthetically Enabling Reactions for Building Molecular Complexity 2012 , 279-333		6
220	C-h functionalization. <i>Beilstein Journal of Organic Chemistry</i> , 2012 , 8, 1552-3	2.5	3
219	The combined C-H functionalization/Cope rearrangement: discovery and applications in organic synthesis. <i>Accounts of Chemical Research</i> , 2012 , 45, 923-35	24.3	240
218	Rh ₂ (S-bi ^t ISP) ₂ -catalyzed asymmetric functionalization of indoles and pyrroles with vinylcarbenoids. <i>Organic Letters</i> , 2012 , 14, 1934-7	6.2	85
217	Alkynoate Synthesis through the Vinylogous Reactivity of Rhodium(II) Carbenoids. <i>Angewandte Chemie</i> , 2012 , 124, 8764-8767	3.6	16
216	Alkynoate synthesis through the vinylogous reactivity of rhodium(II) carbenoids. <i>Angewandte Chemie - International Edition</i> , 2012 , 51, 8636-9	16.4	28
215	Highly stereoselective C-C bond formation by rhodium-catalyzed tandem ylide formation/[2,3]-sigmatropic rearrangement between donor/acceptor carbenoids and chiral allylic alcohols. <i>Journal of the American Chemical Society</i> , 2012 , 134, 10942-6	16.4	64

214	Thermally induced cycloadditions of donor/acceptor carbenes. <i>Organic Letters</i> , 2011 , 13, 4284-7	6.2	52
213	D2-symmetric dirhodium catalyst derived from a 1,2,2-triarylcyclopropanecarboxylate ligand: design, synthesis and application. <i>Journal of the American Chemical Society</i> , 2011 , 133, 19198-204	16.4	156
212	Combined C-H functionalization/Cope rearrangement with vinyl ethers as a surrogate for the vinylogous Mukaiyama aldol reaction. <i>Journal of the American Chemical Society</i> , 2011 , 133, 11940-3	16.4	53
211	Guiding principles for site selective and stereoselective intermolecular C-H functionalization by donor/acceptor rhodium carbenes. <i>Chemical Society Reviews</i> , 2011 , 40, 1857-69	58.5	766
210	On the mechanism and selectivity of the combined C-H activation/Cope rearrangement. <i>Journal of the American Chemical Society</i> , 2011 , 133, 5076-85	16.4	81
209	Sequential rhodium-, silver-, and gold-catalyzed synthesis of fused dihydrofurans. <i>Organic Letters</i> , 2011 , 13, 4316-9	6.2	31
208	Intermolecular C-H Insertions of Carbenoids 2011 , 75-212		7
207	Silver triflate-catalyzed cyclopropanation of internal alkynes with donor-/acceptor-substituted diazo compounds. <i>Organic Letters</i> , 2011 , 13, 3984-7	6.2	87
206	Rhodium(II)-Catalyzed Cross-Coupling of Diazo Compounds. <i>Angewandte Chemie</i> , 2011 , 123, 2592-2596	3.6	35
205	Sequential Transformations to Access Polycyclic Chemotypes: Asymmetric Crotylation and Metal Carbenoid Reactions. <i>Angewandte Chemie</i> , 2011 , 123, 6060-6064	3.6	2
204	Computationally Guided Stereocontrol of the Combined C-H Functionalization/Cope Rearrangement. <i>Angewandte Chemie</i> , 2011 , 123, 9542-9545	3.6	8
203	Rhodium(II)-catalyzed cross-coupling of diazo compounds. <i>Angewandte Chemie - International Edition</i> , 2011 , 50, 2544-8	16.4	87
202	Sequential transformations to access polycyclic chemotypes: asymmetric crotylation and metal carbenoid reactions. <i>Angewandte Chemie - International Edition</i> , 2011 , 50, 5938-42	16.4	25
201	Computationally guided stereocontrol of the combined C-H functionalization/Cope rearrangement. <i>Angewandte Chemie - International Edition</i> , 2011 , 50, 9370-3	16.4	29
200	Asymmetric Synthesis of Highly Functionalized Cyclopentanes by a Rhodium- and Scandium-Catalyzed Five-Step Domino Sequence. <i>Chemical Science</i> , 2011 , 2, 2378-2382	9.4	48
199	Vinylogous reactivity of silver(I) vinylcarbenoids. <i>Chemical Science</i> , 2011 , 2, 457-461	9.4	86
198	Rh ₂ (S-PTAD) ₄ -catalyzed asymmetric cyclopropanation of aryl alkynes. <i>Tetrahedron</i> , 2011 , 67, 4313-4317	2.4	56
197	Rhodium carbenoid approach for introduction of 4-substituted (Z)-pent-2-enoates into sterically encumbered pyrroles and indoles. <i>Organic Letters</i> , 2010 , 12, 924-7	6.2	58

196	Highly enantioselective Rh ₂ (S-DOSP) ₄ -catalyzed cyclopropanation of alkynes with styryldiazoacetates. <i>Journal of the American Chemical Society</i> , 2010 , 132, 17211-5	16.4	97
195	Rhodium-catalyzed [3 + 2] annulation of indoles. <i>Journal of the American Chemical Society</i> , 2010 , 132, 440-1	16.4	240
194	Catalyst-controlled formal [4 + 3] cycloaddition applied to the total synthesis of (+)-barekoxide and (-)-barekol. <i>Journal of the American Chemical Society</i> , 2010 , 132, 12422-5	16.4	97
193	Controlling factors for C-H functionalization versus cyclopropanation of dihydronaphthalenes. <i>Journal of Organic Chemistry</i> , 2010 , 75, 1927-39	4.2	44
192	Solvent-free catalytic enantioselective C≡C bond forming reactions with very high catalyst turnover numbers. <i>Chemical Science</i> , 2010 , 1, 254	9.4	56
191	Enantioselective C-C bond formation by rhodium-catalyzed tandem ylide formation/[2,3]-sigmatropic rearrangement between donor/acceptor carbenoids and allylic alcohols. <i>Journal of the American Chemical Society</i> , 2010 , 132, 396-401	16.4	96
190	Functionalization of carbon-hydrogen bonds through transition metal carbenoid insertion. <i>Topics in Current Chemistry</i> , 2010 , 292, 303-45		58
189	Towards the Total Synthesis of 3-Hydroxyvibsanin E. <i>Synthesis</i> , 2009 , 2009, 2840-2846	2.9	3
188	Rhodium Carbenoid Induced Intermolecular C-H Functionalization at Tertiary C-H Bonds. <i>Synlett</i> , 2009 , 2009, 151-154	2.2	8
187	Intermolecular C≡C functionalization versus cyclopropanation of electron rich 1,1-disubstituted and trisubstituted alkenes. <i>Tetrahedron</i> , 2009 , 65, 3052-3061	2.4	41
186	1-Naphthyl and 4-indolyl arylalkylamines as selective monoamine reuptake inhibitors. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2009 , 19, 58-61	2.9	11
185	Computational study on the selectivity of donor/acceptor-substituted rhodium carbenoids. <i>Journal of Organic Chemistry</i> , 2009 , 74, 6555-63	4.2	154
184	Total Synthesis of (±)-Vibsanin E. <i>Australian Journal of Chemistry</i> , 2009 , 62, 980-982	1.2	18
183	Asymmetric [4 + 3] cycloadditions between vinylcarbenoids and dienes: application to the total synthesis of the natural product (-)-5-epi-vibsanin E. <i>Journal of the American Chemical Society</i> , 2009 , 131, 8329-32	16.4	134
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44	Rhodium(II) catalyzed intramolecular reactions between vinyl diazomethanes and pyrroles. Novel synthesis of fused 7-azabicyclo[4.2.0]octadienes. <i>Tetrahedron Letters</i> , 1994 , 35, 5209-5212	2	12
43	Asymmetric synthesis of 1,4-cycloheptadienes and bicyclo[3.2.1]octa-2,6-dienes by rhodium(II) N-(p-(tert-butyl)phenylsulfonyl)prolinate catalyzed reactions between vinyl diazomethanes and dienes. <i>Tetrahedron Letters</i> , 1994 , 35, 8939-8942	2	54
42	Carbenoid versus Vinylogous Reactivity in Rhodium(II)-Stabilized Vinylcarbenoids. <i>Journal of Organic Chemistry</i> , 1994 , 59, 4535-4541	4.2	77
41	Behavioral effects of the novel tropane analog, 2 beta-propanoyl-3 beta-(4-toluy)-tropane (PTT). <i>Life Sciences</i> , 1994 , 54, PL511-7	6.8	16
40	Synthesis of 2 beta-acyl-3 beta-aryl-8-azabicyclo[3.2.1]octanes and their binding affinities at dopamine and serotonin transport sites in rat striatum and frontal cortex. <i>Journal of Medicinal Chemistry</i> , 1994 , 37, 1262-8	8.3	86
39	.alpha.-Hydroxy esters as chiral auxiliaries in asymmetric cyclopropanations by rhodium(II)-stabilized vinylcarbenoids. <i>Journal of the American Chemical Society</i> , 1993 , 115, 9468-9479	16.4	109
38	Diastereoselectivity Enhancement in Cyclopropanation and Cyclopropenation Reactions of Chiral Diazoacetate Esters Catalyzed by Chiral Dirhodium(II) Carboxamides. <i>Synlett</i> , 1993 , 1993, 151-153	2.2	30
37	Tandem cyclopropanation/cope rearrangement: a general method for the construction of seven-membered rings. <i>Tetrahedron</i> , 1993 , 49, 5203-5223	2.4	169
36	Enantioselective synthesis of vinylcyclopropanes by rhodium(II) catalyzed decomposition of vinyl diazomethanes in the presence of alkenes. <i>Tetrahedron Letters</i> , 1993 , 34, 7243-7246	2	105
35	Novel 2-substituted cocaine analogs: binding properties at dopamine transport sites in rat striatum. <i>European Journal of Pharmacology</i> , 1993 , 244, 93-7		42

34	Synthesis of Ether Analogues of (E)-Acetomycin. <i>Heterocycles</i> , 1993 , 35, 385	0.8	15
33	Convenient Synthesis of Vinyl Diazomethanes from E-Diazo-Keto Esters and Related Systems. <i>Synthetic Communications</i> , 1992 , 22, 971-978	1.7	27
32	Highly stereoselective [3 + 2] annulations by cyclopropanation of vinyl ethers with rhodium(II)-stabilized vinylcarbenoids followed by a formally forbidden 1,3-sigmatropic rearrangement. <i>Journal of Organic Chemistry</i> , 1992 , 57, 3186-3190	4.2	45
31	Ring expansion of tert-butyl 1-vinylcyclopropane-1-carboxylates to .alpha.-ethylidenebutyrolactones. <i>Journal of Organic Chemistry</i> , 1992 , 57, 4309-4312	4.2	26
30	Divergent reaction pathways between rhodium(II)-stabilized vinylcarbenoids and benzenes. <i>Journal of Organic Chemistry</i> , 1992 , 57, 6900-6903	4.2	21
29	Enantioselective synthesis of tropanes by reaction of rhodium-stabilized vinylcarbenoids with pyrroles. <i>Tetrahedron Letters</i> , 1992 , 33, 6935-6938	2	35
28	Regioselective [3 + 2] annulations with rhodium(ii)-stabilized vinylcarbenoids. <i>Tetrahedron Letters</i> , 1992 , 33, 455-456	2	5
27	E-hydroxy esters as inexpensive chiral auxiliaries in rhodium(II)-catalyzed cyclopropanations with vinyl diazomethanes. <i>Tetrahedron Letters</i> , 1991 , 32, 6509-6512	2	43
26	Synthesis of (+.-)-ferruginine and (+.-)-anhydroecgonine methyl-ester by a tandem cyclopropanation/Cope rearrangement. <i>Journal of Organic Chemistry</i> , 1991 , 56, 5696-5700	4.2	122
25	Versatile synthesis of tropones by reaction of rhodium(II)-stabilized vinylcarbenoids with 1-methoxy-1-[(trimethylsilyl)oxy]buta-1,3-diene. <i>Journal of Organic Chemistry</i> , 1991 , 56, 6440-6447	4.2	45
24	Stereoselective convergent synthesis of hydroazulenes via an intermolecular cyclopropanation/Cope rearrangement. <i>Journal of Organic Chemistry</i> , 1991 , 56, 723-727	4.2	29
23	Stereoselective synthesis of seven-membered carbocycles by a tandem cyclopropanation/Cope rearrangement between rhodium(II)-stabilized vinylcarbenoids and dienes. <i>Journal of Organic Chemistry</i> , 1991 , 56, 3817-3824	4.2	92
22	Anomalous reactivity of mono substituted rhodium stabilized vinylcarbenoids. <i>Tetrahedron Letters</i> , 1990 , 31, 6299-6302	2	59
21	Novel entry to the tropane system by reaction of rhodium(II) acetate stabilized vinylcarbenoids with pyrroles. <i>Tetrahedron Letters</i> , 1989 , 30, 4653-4656	2	37
20	Scope and stereochemistry of the tandem intramolecular cyclopropanation/Cope rearrangement sequence. <i>Journal of Organic Chemistry</i> , 1989 , 54, 930-936	4.2	68
19	Novel approach to seven-membered rings by the intramolecular tandem cyclopropanation/cope rearrangement sequence. <i>Tetrahedron Letters</i> , 1988 , 29, 975-978	2	28
18	Synthesis and pyrolysis of cyclic sulfonium ylides. <i>Tetrahedron Letters</i> , 1987 , 28, 371-374	2	26
17	Diazotransfer Reactions with p-Acetamidobenzenesulfonyl Azide. <i>Synthetic Communications</i> , 1987 , 17, 1709-1716	1.7	166

16	Mechanistic aspects of formal [3 + 4] cycloadditions between vinylcarbenoids and furans. <i>Tetrahedron</i> , 1987 , 43, 4265-4270	2.4	64
15	Thallium in Organic Synthesis. 67 Intramolecular Capture of Aromatic Radical Cations by An N-Tosyl Group. <i>Synthetic Communications</i> , 1986 , 16, 267-281	1.7	6
14	Synthesis of fused 1,2-diazetidiones via an intramolecular Horner-Emmons reaction. <i>Journal of Organic Chemistry</i> , 1986 , 51, 1537-1540	4.2	30
13	Synthesis and reactions of some 1,2-disubstituted 1,2-diazetid-3-ones: an intramolecular aldol approach to bicyclic systems. <i>Journal of Organic Chemistry</i> , 1986 , 51, 1530-1536	4.2	18
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11	Approaches to the synthesis of aza analogs of the .beta.-lactam antibiotics: some anomalous rhodium(II)-catalyzed carbene insertion reactions. <i>Journal of Organic Chemistry</i> , 1984 , 49, 113-116	4.2	20
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