

Michael P Doyle

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.

432
papers

22,345
citations

72
h-index

129
g-index

562
ext. papers

24,400
ext. citations

7.5
avg, IF

7.1
L-index

#	Paper	IF	Citations
432	Radical Cascade Multicomponent Minisci Reactions with Diazo Compounds. <i>ACS Catalysis</i> , 2022 , 12, 1357-1363	13.1	7
431	Engineering Enzymes for New-to-Nature Carbene Chemistry 2022 , 95-138		1
430	Metal-Catalyzed Decarbenations by Retro-Cyclopropanation 2022 , 169-198		
429	Transition-Metal-Catalyzed Cross-Coupling with Carbene Precursors 2022 , 371-399		1
428	Metal Carbene Cycloaddition Reactions 2022 , 139-168		2
427	Catalytic Enantioselective Carbene Insertions into Heteroatom-Hydrogen Bonds 2022 , 67-94		1
426	Multi-Component Reaction via gem -Difunctionalization of Metal Carbene 2022 , 325-369		
425	Transition-Metal-Catalyzed Carbene Transformations for Polymer Syntheses 2022 , 243-267		0
424	Catalytic Radical Approach for Selective Carbene Transfers via Cobalt(II)-Based Metalloradical Catalysis 2022 , 25-66		1
423	Metal-Catalyzed Quinoid Carbene (QC) Transfer Reactions 2022 , 269-297		0
422	Alkane Functionalization by Metal-Catalyzed Carbene Insertion from Diazo Reagents 2022 , 1-24		
421	Asymmetric Rearrangement and Insertion Reactions with Metal-Carbenoids Promoted by Chiral N,N'-Dioxide or Guanidine-Based Catalysts 2022 , 299-324		0
420	Gold-Catalyzed Oxidation of Alkynes by N -Oxides or Sulfoxides 2022 , 199-241		
419	Catalyst-Directed Divergent Catalytic Approaches to Expand Structural and Functional Scaffold Diversity via Metallo-Enolcarbene Intermediates. <i>ACS Catalysis</i> , 2021 , 11, 4712-4721	13.1	7
418	Enantioselective Catalytic Cyclopropanation-Rearrangement Approach to Chiral Spiroketal. <i>Organic Letters</i> , 2021 , 23, 3955-3959	6.2	2
417	AgI-Catalyzed Reaction of Enol Diazoacetates and Imino Ethers: Synthesis of Highly Functionalized Pyrroles. <i>Angewandte Chemie</i> , 2021 , 133, 13506-13512	3.6	0
416	Ag -Catalyzed Reaction of Enol Diazoacetates and Imino Ethers: Synthesis of Highly Functionalized Pyrroles. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 13394-13400	16.4	6

415	Challenges in the Highly Selective [3 + 1]-Cycloaddition of an Enoldiazoacetamide to Form a Donor-Acceptor -Cyclobutenecarboxamide. <i>Molecules</i> , 2021 , 26,	4.8	1
414	Copper(I)-Catalyzed Highly Enantioselective [3+3]-Cycloaddition of β -Aryl/Alkyl Vinyl Diazoacetates with Nitrones. <i>Helvetica Chimica Acta</i> , 2021 , 104, e2100081	2	2
413	Generation of Diazomethyl Radicals by Hydrogen Atom Abstraction and Their Cycloaddition with Alkenes. <i>Angewandte Chemie</i> , 2021 , 133, 18632-18636	3.6	0
412	Generation of Diazomethyl Radicals by Hydrogen Atom Abstraction and Their Cycloaddition with Alkenes. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 18484-18488	16.4	9
411	Strain-Induced Nucleophilic Ring Opening of Donor-Acceptor Cyclopropenes for Synthesis of Monosubstituted Succinic Acid Derivatives. <i>Chemistry - A European Journal</i> , 2021 , 27, 340-347	4.8	1
410	Formal [4 + 4]-, [4 + 3]-, and [4 + 2]-cycloaddition reactions of donor-acceptor cyclobutenes, cyclopropenes and siloxyalkynes induced by Brønsted acid catalysis. <i>Chemical Science</i> , 2021 , 12, 4819-4824	2.4	4
409	Diverse Reactions of Vinyl Diazo Compounds with Quinone Oxonium Ions, Quinone Imine Ketals, and Eschenmoser Salt. <i>ACS Catalysis</i> , 2021 , 11, 9869-9874	13.1	4
408	Precise Introduction of the -CHX (X = F, Cl, Br, I) Moiety to Target Molecules by a Radical Strategy: A Theoretical and Experimental Study. <i>Journal of the American Chemical Society</i> , 2021 , 143, 13195-13204	16.4	1
407	Intermolecular [5 + 1]-Cycloaddition between Vinyl Diazo Compounds and β -Butyl Nitrite to 1,2,3-Triazine 1-Oxides and Their Further Transformation to Isoxazoles. <i>Organic Letters</i> , 2021 , 23, 6542-6546	6.2	6
406	Brønsted Acid Catalyzed Oxocarbenium-Olefin Metathesis/Rearrangements of 1-Isochromene Acetals with Vinyl Diazo Compounds. <i>Journal of the American Chemical Society</i> , 2021 , 143, 15391-15399	16.4	5
405	Catalyst-Free Formation of Nitrile Oxides and Their Further Transformations to Diverse Heterocycles. <i>Organic Letters</i> , 2021 , 23, 925-929	6.2	9
404	β Amino Radical-Mediated Diverse Difunctionalization of Alkenes: Construction of C-C, C-N, and C-B Bonds. <i>ACS Catalysis</i> , 2020 , 10, 13682-13687	13.1	19
403	Brønsted Acid Catalyzed Friedel-Crafts-Type Coupling and Dedinitrogenation Reactions of Vinyl diazo Compounds. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 13613-13617	16.4	14
402	Brønsted Acid Catalyzed Friedel-Crafts-Type Coupling and Dedinitrogenation Reactions of Vinyl diazo Compounds. <i>Angewandte Chemie</i> , 2020 , 132, 13715-13719	3.6	2
401	Copper(I)-catalyzed highly enantioselective [3 + 3]-cycloaddition of β alkyl enoldiazoacetates with nitrones. <i>Organic Chemistry Frontiers</i> , 2020 , 7, 1653-1657	5.2	9
400	Catalytic Oxidative Cleavage Reactions of Arylalkenes by β -Butyl Hydroperoxide - A Mechanistic Assessment. <i>Journal of Organic Chemistry</i> , 2020 , 85, 3728-3741	4.2	11
399	Radical-Mediated Strategies for the Functionalization of Alkenes with Diazo Compounds. <i>Journal of the American Chemical Society</i> , 2020 , 142, 13846-13855	16.4	31
398	Chiral 3-Acylglutaric Acid Derivatives from Strain-Induced Nucleophilic Retro-Claisen Ring-Opening Reactions. <i>Journal of Organic Chemistry</i> , 2020 , 85, 9475-9490	4.2	6

397	Synthesis of Chiral Tetrasubstituted Azetidines from Donor-Acceptor Azetines via Asymmetric Copper(I)-Catalyzed Imido-Ylide [3+1]-Cycloaddition with Metallo-Enolcarbenes. <i>Angewandte Chemie</i> , 2019 , 131, 16334-16338	3.6	6
396	Generation of Halomethyl Radicals by Halogen Atom Abstraction and Their Addition Reactions with Alkenes. <i>Journal of the American Chemical Society</i> , 2019 , 141, 16643-16650	16.4	39
395	Catalytic asymmetric cycloaddition reactions of enoldiazo compounds. <i>Organic and Biomolecular Chemistry</i> , 2019 , 17, 4183-4195	3.9	35
394	Role of Donor-Acceptor Cyclopropenes in Metal Carbene Reactions. Conversion of E-Substituted Enoldiazoacetates to Z-Substituted Metallo-Enolcarbenes. <i>Organometallics</i> , 2019 , 38, 4043-4050	3.8	12
393	Catalytic Desymmetric Cycloaddition of Diaziridines with Metalloenolcarbenes: The Role of Donor-Acceptor Cyclopropenes. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 12502-12506	16.4	20
392	Catalytic Desymmetric Cycloaddition of Diaziridines with Metalloenolcarbenes: The Role of Donor-Acceptor Cyclopropenes. <i>Angewandte Chemie</i> , 2019 , 131, 12632-12636	3.6	4
391	High Stereocontrol in the Preparation of Silyl-Protected E-Substituted Enoldiazoacetates. <i>Synlett</i> , 2019 , 30, 1457-1461	2.2	7
390	Synthesis of Chiral Tetrasubstituted Azetidines from Donor-Acceptor Azetines via Asymmetric Copper(I)-Catalyzed Imido-Ylide [3+1]-Cycloaddition with Metallo-Enolcarbenes. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 16188-16192	16.4	21
389	Chiral donor-acceptor azetines as powerful reactants for synthesis of amino acid derivatives. <i>Nature Communications</i> , 2019 , 10, 5328	17.4	10
388	Enoldiazosulfones for Highly Enantioselective [3 + 3]-Cycloaddition with Nitrones Catalyzed by Copper(I) with Chiral BOX Ligands. <i>Organic Letters</i> , 2019 , 21, 40-44	6.2	19
387	Displacement of Dinitrogen by Oxygen: A Methodology for the Catalytic Conversion of Diazocarbonyl Compounds to Ketocarbonyl Compounds by 2,6-Dichloropyridine-N-oxide. <i>Organic Letters</i> , 2018 , 20, 776-779	6.2	19
386	Vinyldiazo Reagents and Metal Catalysts: A Versatile Toolkit for Heterocycle and Carbocycle Construction. <i>ChemCatChem</i> , 2018 , 10, 488-496	5.2	40
385	Rhodium(ii)-catalysed generation of cycloprop-1-en-1-yl ketones and their rearrangement to 5-aryl-2-siloxyfurans. <i>Chemical Communications</i> , 2018 , 54, 9513-9516	5.8	15
384	Synthesis of 1 H-Pyrrol-3(2 H)-ones via Three-Component Reactions of 2,3-Diketo Esters, Amines, and Ketones. <i>Journal of Organic Chemistry</i> , 2018 , 83, 11288-11297	4.2	6
383	Copper-Catalyzed Formal [4+2] Cycloaddition of Enoldiazoimides with Sulfur Ylides. <i>Angewandte Chemie - International Edition</i> , 2018 , 57, 10343-10346	16.4	13
382	Copper-Catalyzed Formal [4+2] Cycloaddition of Enoldiazoimides with Sulfur Ylides. <i>Angewandte Chemie</i> , 2018 , 130, 10500-10503	3.6	4
381	Intramolecular cycloaddition/rearrangement cascade from gold(iii)-catalysed reactions of propargyl aryldiazoesters with cinnamyl imines. <i>Chemical Communications</i> , 2018 , 54, 12828-12831	5.8	6
380	Catalyst Choice for Highly Enantioselective [3 + 3]-Cycloaddition of Enoldiazocarbonyl Compounds. <i>ACS Catalysis</i> , 2018 , 8, 10392-10400	13.1	29

379	Selective C(sp ³)–H Bond Insertion in Carbene/Alkyne Metathesis Reactions. Enantioselective Construction of Dihydroindoles. <i>ACS Catalysis</i> , 2018 , 8, 9543-9549	13.1	38
378	Diazo Esters as Dienophiles in Intramolecular (4 + 2) Cycloadditions: Computational Explorations of Mechanism. <i>Journal of the American Chemical Society</i> , 2017 , 139, 2766-2770	16.4	36
377	Highly Regio-, Diastereo-, and Enantioselective Rhodium-Catalyzed Intramolecular Cyclopropanation of (Z)-1,3-Dienyl Aryldiazoacetates. <i>Organic Letters</i> , 2017 , 19, 1306-1309	6.2	12
376	Dirhodium(II) Tetraacetate 2017 , 1-16		
375	Catalytic Asymmetric [3+1]-Cycloaddition Reaction of Ylides with Electrophilic Metallo-enolcarbene Intermediates. <i>Angewandte Chemie - International Edition</i> , 2017 , 56, 7479-7483	16.4	49
374	Catalytic Asymmetric [3+1]-Cycloaddition Reaction of Ylides with Electrophilic Metallo-enolcarbene Intermediates. <i>Angewandte Chemie</i> , 2017 , 129, 7587-7591	3.6	15
373	Diverse Pathways in Catalytic Reactions of Propargyl Aryldiazoacetates: Selectivity between Three Reaction Sites. <i>Journal of Organic Chemistry</i> , 2017 , 82, 1584-1590	4.2	16
372	Highly selective acylation of polyamines and aminoglycosides by 5-acyl-5-phenyl-1,5-dihydro-4-pyrazol-4-ones. <i>Chemical Science</i> , 2017 , 8, 7152-7159	9.4	6
371	Dirhodium(II) Tetraacetamidate 2017 , 1-6		
370	Catalytic Allylic Oxidation of Cyclic Enamides and 3,4-Dihydro-2H-Pyrans by TBHP. <i>Journal of Organic Chemistry</i> , 2017 , 82, 8506-8513	4.2	2
369	Cycloaddition reactions of enoldiazo compounds. <i>Chemical Society Reviews</i> , 2017 , 46, 5425-5443	58.5	163
368	Catalytic Divergent [3+3]- and [3+2]-Cycloaddition by Discrimination Between Diazo Compounds. <i>Angewandte Chemie</i> , 2017 , 129, 12460-12464	3.6	14
367	Catalytic Divergent [3+3]- and [3+2]-Cycloaddition by Discrimination Between Diazo Compounds. <i>Angewandte Chemie - International Edition</i> , 2017 , 56, 12292-12296	16.4	42
366	Divergent Rhodium-Catalyzed Cyclization Reactions of Enoldiazoacetamides with Nitrosoarenes. <i>Journal of the American Chemical Society</i> , 2017 , 139, 9839-9842	16.4	32
365	Asymmetric [3+3] Cycloaddition for Heterocycle Synthesis. <i>Synlett</i> , 2017 , 28, 1695-1706	2.2	7
364	Asymmetric synthesis of 1H-pyrrol-3(2H)-ones from 2,3-diketoesters by combination of aldol condensation with benzilic acid rearrangement. <i>Chemical Communications</i> , 2016 , 52, 108-11	5.8	17
363	Highly Regio- and Enantioselective Formal [3 + 2]-Annulation of Indoles with Electrophilic Enol Carbene Intermediates. <i>Organic Letters</i> , 2016 , 18, 4550-3	6.2	49
362	Syntheses of Tetrahydropyridazine and Tetrahydro-1,2-diazepine Scaffolds through Cycloaddition Reactions of Azoalkenes with Enol Diazoacetates. <i>Organic Letters</i> , 2016 , 18, 5884-5887	6.2	33

361	The Selection of Catalysts for Metal Carbene Transformations. <i>Advances in Organometallic Chemistry</i> , 2016 , 66, 1-31	3.8	29
360	Dirhodium(II)-Catalyzed Annulation of Enoldiazoacetamides with β Diazoketones: An Efficient and Highly Selective Approach to Fused and Bridged Ring Systems. <i>Angewandte Chemie</i> , 2016 , 128, 5663-5666	3.6	13
359	Unprecedented Intramolecular [4 + 2]-Cycloaddition between a 1,3-Diene and a Diazo Ester. <i>Journal of the American Chemical Society</i> , 2016 , 138, 1808-11	16.4	26
358	Copper-Catalyzed Divergent Addition Reactions of Enoldiazoacetamides with Nitrones. <i>Journal of the American Chemical Society</i> , 2016 , 138, 44-7	16.4	94
357	Unusually large scalar coupling between geminal protons in a saturated pyrimidine. <i>Concepts in Magnetic Resonance Part A: Bridging Education and Research</i> , 2016 , 45A, e21424	0.6	
356	Dirhodium(II)-Catalyzed Annulation of Enoldiazoacetamides with β Diazoketones: An Efficient and Highly Selective Approach to Fused and Bridged Ring Systems. <i>Angewandte Chemie - International Edition</i> , 2016 , 55, 5573-6	16.4	39
355	Versatile Donor-Acceptor Cyclopropenes in Metal Carbene Transformations. <i>Israel Journal of Chemistry</i> , 2016 , 56, 399-408	3.4	20
354	Innentitelbild: Dirhodium(II)-Catalyzed Annulation of Enoldiazoacetamides with β Diazoketones: An Efficient and Highly Selective Approach to Fused and Bridged Ring Systems (Angew. Chem. 18/2016). <i>Angewandte Chemie</i> , 2016 , 128, 5436-5436	3.6	
353	Catalytic Asymmetric Synthesis of Cyclopentyl β Amino Esters by [3+2] Cycloaddition of Enecarbamates with Electrophilic Metalloenolcarbene Intermediates. <i>Angewandte Chemie</i> , 2016 , 128, 10262-10266	3.6	15
352	Catalyst-Free Rearrangement of Allenyl Aryldiazoacetates into 1,5-Dihydro-4H-pyrazol-4-ones. <i>Journal of Organic Chemistry</i> , 2016 , 81, 9235-9246	4.2	9
351	Reactivity and Selectivity in Catalytic Reactions of Enoldiazoacetamides. Assessment of Metal Carbenes as Intermediates. <i>Organometallics</i> , 2016 , 35, 3413-3420	3.8	39
350	Catalytic Asymmetric Synthesis of Cyclopentyl β Amino Esters by [3+2] Cycloaddition of Enecarbamates with Electrophilic Metalloenolcarbene Intermediates. <i>Angewandte Chemie - International Edition</i> , 2016 , 55, 10108-12	16.4	31
349	The chemistry of vicinal tricarbonyls: an expedient route to fully-substituted 3-aminopyrroles. <i>Tetrahedron Letters</i> , 2015 , 56, 3042-3045	2	11
348	Dinitrogen extrusion from enoldiazo compounds under thermal conditions: synthesis of donor-acceptor cyclopropenes. <i>Chemical Communications</i> , 2015 , 51, 12924-7	5.8	42
347	Three-Component Cascade Reactions with 2,3-Diketoesters: A Novel Metal-Free Synthesis of 5-Vinyl-pyrrole and 4-Hydroxy-indole Derivatives. <i>Organic Letters</i> , 2015 , 17, 3876-9	6.2	48
346	Lewis Acid/Rhodium-Catalyzed Formal [3 + 3]-Cycloaddition of Enoldiazoacetates with Donor-Acceptor Cyclopropanes. <i>Organic Letters</i> , 2015 , 17, 3568-71	6.2	58
345	The Future of Catalysis by Chiral Lewis Acids. <i>Topics in Organometallic Chemistry</i> , 2015 , 1-25	0.6	0
344	Hg(OTf) ₂ Catalyzed Intramolecular 1,4-Addition of Donor-Acceptor Cyclopropenes to Arenes. <i>Organic Letters</i> , 2015 , 17, 4312-5	6.2	17

343	Dinuclear compounds without a metal-metal bond. Dirhodium(III,III) carboxamidates. <i>Inorganica Chimica Acta</i> , 2015 , 424, 235-240	2.7	4
342	An efficient route to highly enantioenriched tetrahydroazulenes and tetralones by desymmetrization reactions of β -diaryldiazoaceto-acetates. <i>Chemical Communications</i> , 2015 , 51, 565-8	5.8	26
341	Chiral Dirhodium(II) Catalysts for Selective Metal Carbene Reactions. <i>Current Organic Chemistry</i> , 2015 , 20, 61-81	1.7	48
340	Straightforward access to the [3.2.2]nonatriene structural framework via intramolecular cyclopropanation/Bucher reaction/Cope rearrangement cascade. <i>Organic Letters</i> , 2015 , 17, 790-3	6.2	30
339	Enantioselective β -lactam synthesis by intramolecular C-H functionalization from enoldiazoacetamides and derivative donor-acceptor cyclopropenes. <i>Chemical Science</i> , 2015 , 6, 2196-2201	9.4	68
338	Divergent pathways of α -unsaturated β -diazocarbonyl compounds catalyzed by dirhodium and Lewis acids catalysts separately or in combination. <i>Chinese Chemical Letters</i> , 2015 , 26, 227-232	8.1	17
337	Diversifying Science, Technology, Engineering, and Mathematics (STEM): An Inquiry into Successful Approaches in Chemistry. <i>Journal of Chemical Education</i> , 2014 , 91, 1860-1866	2.4	20
336	Expedient access to substituted 3-amino-2-cyclopentenones by dirhodium-catalyzed [3+2]-annulation of silylated ketene imines and enoldiazoacetates. <i>Chemical Communications</i> , 2014 , 50, 2462-4	5.8	20
335	Lewis Acid Catalyzed Diastereoselective 1,3-Dipolar Cycloaddition between Diazoacetoacetate Enones and Azomethine Ylides. <i>Heterocycles</i> , 2014 , 88, 1039	0.8	0
334	Enantioselective carbonyl-ene reactions catalyzed by chiral cationic dirhodium(II,III) carboxamidates. <i>Journal of Organic Chemistry</i> , 2014 , 79, 12185-90	4.2	17
333	Dirhodium caprolactamate and tert-butyl hydro-peroxide as a universal system for selective oxidations. <i>Mendeleev Communications</i> , 2014 , 24, 187-196	1.9	16
332	Catalytic conversion of diazocarbonyl compounds to imines: applications to the synthesis of tetrahydropyrimidines and β -lactams. <i>Organic Letters</i> , 2014 , 16, 740-3	6.2	41
331	Highly enantioselective carbonyl-ene reactions of 2,3-diketoesters: efficient and atom-economical process to functionalized chiral β -hydroxy- β -ketoesters. <i>Angewandte Chemie - International Edition</i> , 2014 , 53, 6468-72	16.4	36
330	The [3 + 3]-cycloaddition alternative for heterocycle syntheses: catalytically generated metalloenolcarbenes as dipolar adducts. <i>Accounts of Chemical Research</i> , 2014 , 47, 1396-405	24.3	275
329	Highly Enantioselective Carbonyl-ene Reactions of 2,3-Diketoesters: Efficient and Atom-Economical Process to Functionalized Chiral β -Hydroxy- β -Ketoesters. <i>Angewandte Chemie</i> , 2014 , 126, 6586-6590	3.6	10
328	Recent Developments in the Synthetic Uses of Silyl-protected Enoldiazoacetates for Heterocyclic Syntheses. <i>Australian Journal of Chemistry</i> , 2014 , 67, 365	1.2	14
327	A survey of enoldiazo nucleophilicity in selective C-C bond forming reactions for the synthesis of natural product-like frameworks. <i>Organic and Biomolecular Chemistry</i> , 2014 , 12, 5227-34	3.9	12
326	Allylic Oxidation Catalyzed by Dirhodium(II) Tetrakis[β -caprolactamate] of tert-Butyldimethylsilyl-protected trans-Dehydroandrosterone 2014 , 9-18		

325	Catalytic asymmetric syntheses of quinolizidines by dirhodium-catalyzed dearomatization of isoquinolinium/pyridinium methylides--the role of catalyst and carbene source. <i>Journal of the American Chemical Society</i> , 2013 , 135, 12439-47	16.4	120
324	Mechanistic investigation of oxidative Mannich reaction with tert-butyl hydroperoxide. The role of transition metal salt. <i>Journal of the American Chemical Society</i> , 2013 , 135, 1549-57	16.4	149
323	Highly enantioselective dearomatizing formal [3+3] cycloaddition reactions of N-acyliminopyridinium ylides with electrophilic enol carbene intermediates. <i>Angewandte Chemie - International Edition</i> , 2013 , 52, 12664-8	16.4	73
322	Rhodium acetate-catalyzed aerobic Mukaiyama epoxidation of alkenes. <i>Tetrahedron</i> , 2013 , 69, 10009-10013	16.4	12
321	A donor-acceptor cyclopropene as a dipole source for a silver(I) catalyzed asymmetric catalytic [3+3]-cycloaddition with nitrones. <i>Chemical Communications</i> , 2013 , 49, 10287-9	5.8	66
320	Vinylogous reactivity of enol diazoacetates with donor-acceptor substituted hydrazones. Synthesis of substituted pyrazole derivatives. <i>Journal of Organic Chemistry</i> , 2013 , 78, 1583-8	4.2	43
319	Dirhodium(II)-catalyzed formal [3+2+1]-annulation of azomethine imines with two molecules of a diazo ketone. <i>Chemical Communications</i> , 2013 , 49, 2762-4	5.8	30
318	Bicyclic pyrazolidinone derivatives from diastereoselective catalytic [3 + 3]-cycloaddition reactions of enoldiazoacetates with azomethine imines. <i>Organic Letters</i> , 2013 , 15, 1564-7	6.2	79
317	Tetrahydroquinolines and benzazepines through catalytic diastereoselective formal [4 + 2]-cycloaddition reactions between donor-acceptor cyclopropenes and imines. <i>Organic Letters</i> , 2013 , 15, 3278-81	6.2	36
316	Simple and sustainable iron-catalyzed aerobic C-H functionalization of N,N-dialkylanilines. <i>Journal of the American Chemical Society</i> , 2013 , 135, 9475-9	16.4	136
315	Diazoacetoacetate enones for the synthesis of diverse natural product-like scaffolds. <i>Organic Letters</i> , 2013 , 15, 3642-5	6.2	22
314	Highly selective catalyst-dependent competitive 1,2-C-C, -O-C, and -N-C migrations from β -methylene- β -silyloxy- β -amido- β -diazoacetates. <i>Journal of the American Chemical Society</i> , 2013 , 135, 1244-7	16.4	60
313	Cobalt-Mediated Carbene Transfer Reactions 2013 , 491-525		14
312	Highly Enantioselective Dearomatizing Formal [3+3] Cycloaddition Reactions of N-Acyliminopyridinium Ylides with Electrophilic Enol Carbene Intermediates. <i>Angewandte Chemie</i> , 2013 , 125, 12896-12900	3.6	24
311	Templated Carbene Metathesis Reactions from the Modular Assembly of Enol-diazo Compounds and Propargyl Acetates. <i>European Journal of Organic Chemistry</i> , 2013 , 2013, 6032-6037	3.2	30
310	Tandem sequence of phenol oxidation and intramolecular addition as a method in building heterocycles. <i>Journal of Organic Chemistry</i> , 2012 , 77, 10294-303	4.2	39
309	Michael addition/pericyclization/rearrangement--a multicomponent strategy for the synthesis of substituted resorcinols. <i>Organic and Biomolecular Chemistry</i> , 2012 , 10, 6388-94	3.9	12
308	Unexpected catalytic reactions of silyl-protected enol diazoacetates with nitrile oxides that form 5-arylaminofuran-2(3H)-one-4-carboxylates. <i>Organic Letters</i> , 2012 , 14, 800-3	6.2	32

307	Competitive [2,3]- and [1,2]-oxonium ylide rearrangements. Concerted or stepwise?. <i>Organic Letters</i> , 2012 , 14, 1676-9	6.2	28
306	Highly enantioselective trapping of zwitterionic intermediates by imines. <i>Nature Chemistry</i> , 2012 , 4, 733-7	7.6	234
305	Development and Evaluation of a Prep Course for Chemistry Graduate Teaching Assistants at a Research University. <i>Journal of Chemical Education</i> , 2012 , 89, 865-872	2.4	53
304	Synthesis of Tetrahydropyridazines by a Metal-Carbene-Directed Enantioselective Vinylogous N-H Insertion/Lewis Acid-Catalyzed Diastereoselective Mannich Addition. <i>Angewandte Chemie</i> , 2012 , 124, 9967-9971	3.6	24
303	Synthesis of tetrahydropyridazines by a metal-carbene-directed enantioselective vinylogous N-H insertion/Lewis acid-catalyzed diastereoselective Mannich addition. <i>Angewandte Chemie - International Edition</i> , 2012 , 51, 9829-33	16.4	88
302	Efficient synthesis of oxazoles by dirhodium(II)-catalyzed reactions of styryl diazoacetate with oximes. <i>Chemical Communications</i> , 2012 , 48, 11522-4	5.8	29
301	tert-Butyl Hydroperoxide 2012 ,		1
300	Catalytic, Asymmetric, Intramolecular Carbon-Hydrogen Insertion 2012 , 1-132		7
299	Divergent stereocontrol of acid catalyzed intramolecular aldol reactions of 2,3,7-triketooesters: synthesis of highly functionalized cyclopentanones. <i>Organic Letters</i> , 2012 , 14, 3608-11	6.2	34
298	Substrate-dependent divergent outcomes from catalytic reactions of silyl-protected enol diazoacetates with nitrile oxides: azabicyclo[3.1.0]hexanes or 5-arylaminofuran-2(3H)-ones. <i>Journal of Organic Chemistry</i> , 2012 , 77, 5313-7	4.2	21
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162	Synthesis of pyrrolizidine bases by highly diastereoselective and regioselective catalytic carbon-hydrogen insertion reactions of chiral pyrrolidinediazoacetamides. <i>Tetrahedron Letters</i> , 1996 , 37, 1371-1374	2	43
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158	Enantioselective catalytic intramolecular cyclopropanation of allylic diazoacetates optimized with dirhodium(II) tetrakis[methyl 2-oxazolidinone-4(S or R)-carboxylate]. <i>Tetrahedron: Asymmetry</i> , 1995 , 6, 2157-2160		22
157	Enhancement of enantiocontrol/diastereocontrol in catalytic intramolecular cyclopropanation and carbon-hydrogen insertion reactions of diazoacetates with Rh ₂ (4S-MPPIM) ₄ . <i>Tetrahedron Letters</i> , 1995 , 36, 7579-7582	2	66
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153	Spirolactones from Dirhodium(II)-Catalyzed Diazo Decomposition with Regioselective Carbon-Hydrogen Insertion. <i>Journal of Organic Chemistry</i> , 1995 , 60, 3035-3038	4.2	39
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148	A new catalytic transformation of diazo esters: hydride abstraction in dirhodium(II)-catalysed reactions. <i>Journal of the Chemical Society Perkin Transactions 1</i> , 1995 , 619		37
147	Enantioselectivity and cis/trans-Selectivity in Dirhodium(II)-Catalyzed addition of diazoacetates to olefins. <i>Helvetica Chimica Acta</i> , 1995 , 78, 459-470	2	35
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136	Highly Regioselective and Stereoselective Silylformylation of Alkynes Under Mild Conditions Promoted by Dirhodium(II) Perfluorobutyrate. <i>Organometallics</i> , 1994 , 13, 1081-1088	3.8	65
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4	Discussion Addendum For: Allylic Oxidation Catalyzed by Dirhodium(II) Tetrakis[ECaprolactamate] of tert -Butyldimethylsilyl-Protected trans -Dehydroandrosterone-1-12		
3	(1R,5S)-(1R)-6,6-Dimethyl-3-Oxabicyclo[3.1.0]Hexan-2-One. Highly Enantioselective Intramolecular Cyclopropanation Catalyzed by Dirhodium(II) Tetrakis[Methyl 2-Pyrrolidone-5(R)-Carboxylate]-13-13		1
2	Rhodium Carbenes363-403		8

1 Ruthenium Carbenes 404-451

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