Forrest E Michael

List of Publications by Year
in descending order

39 papers	4,101 citations	201674 27 h-index	289244 40 g-index
56 all docs	56 docs citations	56 times ranked	3789 citing authors

#	Article	IF	Citations
1	Computational Design of an Enzyme Catalyst for a Stereoselective Bimolecular Diels-Alder Reaction. Science, 2010, 329, 309-313.	12.6	776
2	Mechanism of N-Fluorobenzenesulfonimide Promoted Diamination and Carboamination Reactions: Divergent Reactivity of a Pd(IV) Species. Journal of the American Chemical Society, 2009, 131, 15945-15951.	13.7	298
3	Application of Chiral Mixed Phosphorus/Sulfur Ligands to Palladium-Catalyzed Allylic Substitutions. Journal of the American Chemical Society, 2000, 122, 7905-7920.	13.7	289
4	Palladium-Catalyzed Carboamination of Alkenes Promoted by N-Fluorobenzenesulfonimide via Câ”H Activation of Arenes. Journal of the American Chemical Society, 2009, 131, 9488-9489.	13.7	276
5	Application of Chiral Mixed Phosphorus/Sulfur Ligands to Enantioselective Rhodium-Catalyzed Dehydroamino Acid Hydrogenation and Ketone Hydrosilylation Processes. Journal of the American Chemical Society, 2003, 125, 3534-3543.	13.7	245
6	Palladium-Catalyzed Diamination of Unactivated Alkenes Using N-Fluorobenzenesulfonimide as Source of Electrophilic Nitrogen. Organic Letters, 2009, 11, 1147-1149.	4.6	237
7	Room Temperature Palladium-Catalyzed Intramolecular Hydroamination of Unactivated Alkenes. Journal of the American Chemical Society, 2006, 128, 4246-4247.	13.7	198
8	Mechanistic Studies of a Palladium-Catalyzed Intramolecular Hydroamination of Unactivated Alkenes:â€‰ Protonolysis of a Stable Palladium Alkyl Complex Is the Turnover-Limiting Step. Journal of the American Chemical Society, 2008, 130, 2786-2792.	13.7	185
9	Metal-Free Highly Regioselective Aminotrifluoroacetoxylation of Alkenes. Journal of the American Chemical Society, 2010, 132, 1249-1251.	13.7	168
10	Enantioselective Palladium-Catalyzed Diamination of Alkenes Using N-Fluorobenzenesulfonimide. Journal of the American Chemical Society, 2013, 135, 8854-8856.	13.7	160
11	Câ”H Bond Activation of Hydrocarbons by an Imidozirconocene Complex. Journal of the American Chemical Society, 2004, 126, 1018-1019.	13.7	130
12	Palladium-Catalyzed Intramolecular Chloroamination of Alkenes. Organic Letters, 2008, 10, 793-796.	4.6	119
13	Metal-Free Oxidative Cyclization of Urea-Tethered Alkenes with Hypervalent Iodine. Organic Letters, 2008, 10, 5039-5042.	4.6	106
14	Chiral Mixed Phosphorus/Sulfur Ligands for Palladium-Catalyzed Allylic Alkylations and Aminations. Journal of Organic Chemistry, 1999, 64, 2994-2995.	3.2	87
15	Thiophene based hyperbranched polymers with tunable branching using direct arylation methods. Polymer Chemistry, 2013, 4, 3499.	3.9	79
16	Synthesis of 2,6-Disubstituted Piperazines by a Diastereoselective Palladium-Catalyzed Hydroamination Reaction. Organic Letters, 2008, 10, 329-332.	4.6	78
17	Computational Design of Enone-Binding Proteins with Catalytic Activity for the Moritaâ€“Baylisâ€“Hillman Reaction. ACS Chemical Biology, 2013, 8, 749-757.	3.4	75
18	Palladium-Catalyzed Cross-Coupling of N-Sulfonylaziridines with Boronic Acids. Journal of the American Chemical Society, 2013, 135, 18347-18349.	13.7	75

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19	Palladium-Catalyzed Alkoxyamination of Alkenes with Use ofN-Fluorobenzenesulfonimide as Oxidant. Journal of Organic Chemistry, 2010, 75, 6294-6296.	3.2	57
20	Platinum-Catalyzed Intramolecular Hydrohydrazination: Evidence for Alkene Insertion into a Ptâ^'N Bond. Journal of the American Chemical Society, 2010, 132, 5043-5053.	13.7	50
21	Catalytic Metal-free Allylic Câ€"H Amination of Terpenoids. Journal of the American Chemical Society, 2020, 142, 16716-16722.	13.7	46
22	Mechanisms of Allene Stereoinversion by Imidozirconium Complexes. Journal of the American Chemical Society, 2003, 125, 7184-7185.	13.7	44
23	Rearrangements and Stereomutations of Metallacycles Derived from Allenes and Imidozirconium Complexes. Journal of the American Chemical Society, 2005, 127, 1752-1764.	13.7	40
24	Reaction of benzocyclobutenoxides with nitriles: Synthesis of hypecumine and other 3-substituted isoquinolines. Tetrahedron Letters, 1994, 35, 9191-9194.	1.4	33
25	Reversal of enantioselectivity using tethered bisguanidine catalysts in the aza-Henry reaction. Tetrahedron Letters, 2009, 50, 1016-1019.	1.4	33
26	Palladium(II)â€Catalyzed Intramolecular Hydroamination of 1,3â€Dienes to Give Homoallylic Amines. Angewandte Chemie - International Edition, 2013, 52, 13311-13313.	13.8	30
27	Stereoselective synthesis of 2,5-disubstituted morpholines using a palladium-catalyzed hydroamination reaction. Chemical Communications, 2013, 49, 6800.	4.1	28
28	Synthetic and Mechanistic Studies of Strained Heterocycle Opening Reactions Mediated by Zirconium(IV) Imido Complexes. Organometallics, 2005, 24, 1647-1659.	2.3	25
29	Palladium-Catalyzed Cross-Coupling of N-Sulfonylaziridines and Alkenylboronic Acids: Stereospecific Synthesis of Homoallylic Amines with Di- and Trisubstituted Alkenes. Organic Letters, 2017, 19, 1738-1740.	4.6	23
30	Synthesis and Reactivity of a Ruthenium(III) Bis(anilide) Dimer by Oxidative Addition of an N,Nâ€˜-Disubstituted Hydrazine. Organometallics, 2007, 26, 3297-3305.	2.3	22
31	Reactivity of Low-Valent Iridium, Rhodium, and Platinum Complexes with Di- and Tetrasubstituted Hydrazines. Organometallics, 2008, 27, 2238-2245.	2.3	21
32	Selenophosphoramide-catalyzed diamination and oxyamination of alkenes. Chemical Science, 2020, 11, 1677-1682.	7.4	15
33	Synthesis, Structural Characterization, and Quantitative Basicity Studies of Lithium Zirconimidate Complexes. Angewandte Chemie - International Edition, 2008, 47, 6073-6076.	13.8	14
34	Regioselective Metal-Free Aza-Heck Reactions of Terminal Alkenes Catalyzed by Phosphine Selenides. Organic Letters, 2018, 20, 6975-6978.	4.6	12
35	Stereoretentive and regioselective selenium-catalyzed intermolecular propargylic Câ€"H amination of alkynes. Chemical Science, 2022, 13, 2121-2127.	7.4	8
36	Synthesis and structural characterization of palladium(II) complexes of chiral bidentate N-heterocyclic carbene-quinoline ligands. Journal of Organometallic Chemistry, 2017, 832, 9-11.	1.8	7

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37	Chelationâ€Driven Rearrangement of Primary Alkyl Aminopalladation Products to Stable Trisubstituted Alkylâ€“Palladium Complexes. Angewandte Chemie - International Edition, 2015, 54, 4557-4560.	13.8	5
38	Application of Chiral Mixed Phosphorus/Sulfur Ligands to Enantioselective Rhodium-Catalyzed Dehydroamino Acid Hydrogenation and Ketone Hydrosilylation Processes.. ChemInform, 2003, 34, no.	0.0	0
39	Câ€”H Bond Activation of Hydrocarbons by an Imidozirconocene Complex.. ChemInform, 2004, 35, no.	0.0	0