Jeffery Richardson

List of Publications by Year
in descending order

37 papers	1,417 citations	394421 19 h-index	361022 35 g-index
41 all docs	41 docs citations	41 times ranked	1314 citing authors

#	Article	IF	Citations
1	A New Protocol for the In Situ Generation of Aromatic, Heteroaromatic, and Unsaturated Diazo Compounds and Its Application in Catalytic and Asymmetric Epoxidation of Carbonyl Compounds. Extensive Studies To Map Out Scope and Limitations, and Rationalization of Diastereo- and Enantioselectivities. Journal of the American Chemical Society, 2003, 125, 10926-10940.	13.7	179
2	Reactivity and Selectivity in the Wittig Reaction:Â A Computational Study. Journal of the American Chemical Society, 2006, 128, 2394-2409.	13.7	164
3	Unraveling the Mechanism of Epoxide Formation from Sulfur Ylides and Aldehydes. Journal of the American Chemical Society, 2002, 124, 5747-5756.	13.7	136
4	The complexity of catalysis: origins of enantio- and diastereocontrol in sulfur ylide mediated epoxidation reactions. Chemical Communications, 2003, , 2644.	4.1	125
5	Sulfur-Ylide-Mediated Synthesis of Functionalized and Trisubstituted Epoxides with High Enantioselectivity; Application to the Synthesis of CDP-840. Angewandte Chemie - International Edition, 2003, 42, 3274-3278.	13.8	122
6	On the Origin of HighESelectivity in the Wittig Reaction of Stabilized Ylides:Â Importance of Dipoleâ^'Dipole Interactions. Journal of the American Chemical Society, 2005, 127, 13468-13469.	13.7	70
7	Total Synthesis of Aigialomycin D using a One-Pot Ketene Generationâ^'Trappingâ^'Aromatization Sequence. Organic Letters, 2009, 11, 4910-4913.	4.6	62
8	Rhodium-Catalyzed Aldehyde Arylation via Formate-Mediated Transfer Hydrogenation: Beyond Metallic Reductants in Grignard/Nozakiâ€“Hiyamiâ€“Kishi-Type Addition. Journal of the American Chemical Society, 2019, 141, 1828-1832.	13.7	50
9	Synthesis and Pharmacological Characterization of 2-(2,6-Dichlorophenyl)-1-((1S,3R)-5-(3-hydroxy-3-methylbutyl)-3-(hydroxymethyl)-1-methyl-3,4-dihydroisoquinolin-2(1H (LY3154207), a Potent, Subtype Selective, and Orally Available Positive Allosteric Modulator of the Human Dopamine D1 Receptor. Journal of Medicinal Chemistry, 2019, 62, 8711-8732.	6.4	49
10	Kinetic Resolution of 2â€Substituted Indolines by Nâ€Sulfonylation using an Atropisomeric 4â€DMAPâ€Nâ€oxide Organocatalyst. Angewandte Chemie - International Edition, 2017, 56, 5760-5764.	13.8	48
11	Palladium-Catalyzed Chemo- and Enantioselective Oxidation of Allylic Esters and Carbonates. Journal of the American Chemical Society, 2006, 128, 2540-2541.	13.7	44
12	Cyclometalated Iridiumâ€“PhanePhos Complexes Are Active Catalysts in Enantioselective Alleneâ€“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.	13.7	41
13	Two-Step Cyanomethylation Protocol: Convenient Access to Functionalized Aryl- and Heteroarylacetonitriles. Organic Letters, 2015, 17, 476-479.	4.6	40
14	Title is missing!. Angewandte Chemie, 2003, 115, 3396-3400.	2.0	34
15	Asymmetric Catalysis Special Feature Part I: Effect of sulfide structure on enantioselectivity in catalytic asymmetric epoxidation of aldehydes: Mechanistic insights and implications. Proceedings of the National Academy of Sciences of the United States of America, 2004, 101, 5467-5471.	7.1	32
16	A practical synthesis of a [2.2.1] bicyclic chiral sulfide for asymmetric transformations. Tetrahedron, 2006, 62, 11297-11303.	1.9	30
17	A Method for Identifying and Developing Functional Group Tolerant Catalytic Reactions: Application to the Buchwaldâ€“Hartwig Amination. Journal of Organic Chemistry, 2017, 82, 3741-3750.	3.2	28
18	Gold(I)-Catalyzed Synthesis of 3-Sulfenyl Pyrroles and Indoles by a Regioselective Annulation of Alkynyl Thioethers. ACS Catalysis, 2021, 11, 6357-6362.	11.2	27

#	Article	IF	Citations
19	Short, Gram-Scale Syntheses of Î²- and Î³-Lycorane Using Two Distinct Photochemical Approaches. Organic Letters, 2018, 20, 1272-1274.	4.6	23
20	Total Synthesis of Citrafungin A. Journal of Organic Chemistry, 2008, 73, 9692-9697.	3.2	21
21	Kinetic Resolution of 2â€Substituted Indolines by Nâ€sulfonylation using an Atropisomeric 4â€DMAPâ€Nâ€oxide Organocatalyst. Angewandte Chemie, 2017, 129, 5854-5858.	2.0	12
22	Enantioselective formal total synthesis of (â^')-trachyspic acid. Tetrahedron Letters, 2009, 50, 1566-1567.	1.4	10
23	Development of a Scalable Synthesis of Mevidalen (LY3154207), an Orally Available Positive Allosteric Modulator of the Human Dopamine D1 Receptor. Organic Process Research and Development, 2020, 24, 2549-2564.	2.7	10
24	Total synthesis and determination of the absolute stereochemistry of the squalene synthase inhibitors CJ-13,981 and CJ-13,982. Tetrahedron Letters, 2009, 50, 3388-3390.	1.4	9
25	Improved Substrate Scope in the Potassium Hexacyanoferrate(II)-Based Cyanation for the Synthesis of Benzonitriles and Their Heterocyclic Analogues. Journal of Organic Chemistry, 2018, 83, 4922-4931.	3.2	9
26	Model Guided Development of a Simple Catalytic Method for the Synthesis of Unsymmetrical Stilbenes by Sequential Heck Reactions of Aryl Bromides with Ethylene. Advanced Synthesis and Catalysis, 2018, 360, 2678-2690.	4.3	9
27	An Efficient Palladium-Catalysed Aminocarbonylation of Benzyl Chlorides. Synlett, 2020, 31, 369-372.	1.8	7
28	Rapid Access to Azabicyclo[3.3.1]nonanes by a Tandem Diverted Tsujiâ€“Trost Process. Chemistry - A European Journal, 2020, 26, 14330-14334.	3.3	6
29	Multi-Objective Computer-Aided Solvent Design for Selectivity and Rate in Reactions. Computer Aided Chemical Engineering, 2018, , 2437-2442.	0.5	4
30	An Efficient Palladium-Catalyzed Î±-Arylation of Acetone Below its Boiling Point. Synlett, 2020, 31, 1532-1536.	1.8	4
31	Unlocking the potential of late-stage functionalisation: an accurate and fully automated method for the rapid characterisation of multiple regioisomeric products. Reaction Chemistry and Engineering, 2020, 5, 779-792.	3.7	4
32	Efficient Method for the Synthesis of Amino-1,3-Oxazines from Thioureas. Organic Process Research and Development, 2020, 24, 2853-2863.	2.7	3
33	Synthesis and Preclinical Characterization of LY3154885, a Human Dopamine D1 Receptor Positive Allosteric Modulator with an Improved Nonclinical Drugâ€“Drug Interaction Risk Profile. Journal of Medicinal Chemistry, 2022, 65, 3786-3797.	6.4	3
34	Cation exchange media provide a multi-stage, orthogonal catch and release method for MIDA boronates bearing basic centers. Tetrahedron Letters, 2017, 58, 2578-2582.	1.4	1
35	Quinolin-8-yl Formate: A New Option for Small-Scale Carbonylation Reactions in Microwave Reactors. Synlett, 2020, 31, 1608-1612.	1.8	1
36	Sulfur-Ylide-Mediated Synthesis of Functionalized and Trisubstituted Epoxides with High Enantioselectivity; Application to the Synthesis of CDP-840.. ChemInform, 2003, 34, no.	0.0	0

#	Article	IF	Citations
37	The Complexity of Catalysis: Origins of Enantio- and Diastereocontrol in Sulfur Ylide Mediated Epoxidation Reactions. ChemInform, 2004, 35, no.	0.0	0