

Steven T Diver

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8541152/publications.pdf>

Version: 2024-02-01

45
papers

2,991
citations

279701

23
h-index

243529

44
g-index

52
all docs

52
docs citations

52
times ranked

2338
citing authors

#	ARTICLE	IF	CITATIONS
1	Enyne Metathesis (Enyne Bond Reorganization). <i>Chemical Reviews</i> , 2004, 104, 1317-1382.	23.0	870
2	Formation and Stability of N-Heterocyclic Carbenes in Water: The Carbon Acid pKa of Imidazolium Cations in Aqueous Solution. <i>Journal of the American Chemical Society</i> , 2004, 126, 4366-4374.	6.6	476
3	A Rapid and Simple Cleanup Procedure for Metathesis Reactions. <i>Organic Letters</i> , 2007, 9, 1203-1206.	2.4	135
4	Carbon Monoxide-Promoted Carbene Insertion into the Aryl Substituent of an N-Heterocyclic Carbene Ligand: A Buchner Reaction in a Ruthenium Carbene Complex. <i>Journal of the American Chemical Society</i> , 2005, 127, 15702-15703.	6.6	123
5	Expanded Scope in Ethylene-Alkyne Cross-Metathesis: Coordinating Heteroatom Functionality at the Propargylic Position. <i>Organic Letters</i> , 2000, 2, 2271-2274.	2.4	114
6	Ruthenium vinyl carbene intermediates in enyne metathesis. <i>Coordination Chemistry Reviews</i> , 2007, 251, 671-701.	9.5	91
7	Terminal Alkyne-Ethylene Cross-Metathesis: Reaction of 1-Substituted Propargyl Esters at Elevated Ethylene Pressure. <i>Journal of Organic Chemistry</i> , 2000, 65, 1788-1792.	1.7	81
8	Ruthenium Hydride-Promoted Dienyl Isomerization: Access to Highly Substituted 1,3-Dienes. <i>Journal of the American Chemical Society</i> , 2013, 135, 3327-3330.	6.6	80
9	A Versatile Synthesis of Substituted Benzimidazolium Salts by an Amination/Ring Closure Sequence. <i>Organic Letters</i> , 2001, 3, 2673-2676.	2.4	74
10	Studies on the Mechanism of Intermolecular Enyne Metathesis: Kinetic Method and Alkyne Substituent Effects. <i>Journal of the American Chemical Society</i> , 2005, 127, 5762-5763.	6.6	73
11	Ligand-Promoted Carbene Insertion into the Aryl Substituent of an N-Heterocyclic Carbene Ligand in Ruthenium-Based Metathesis Catalysts. <i>Journal of the American Chemical Society</i> , 2009, 131, 6822-6832.	6.6	73
12	Metal Carbene-Promoted Sequential Transformations for the Enantioselective Synthesis of Highly Functionalized Cycloheptadienes. <i>Journal of the American Chemical Society</i> , 2005, 127, 1342-1343.	6.6	71
13	Ethylene-Promoted Intermolecular Enyne Metathesis. <i>Organic Letters</i> , 2003, 5, 3819-3822.	2.4	54
14	Ethylene metathesis of sulfur-containing alkynes. <i>Tetrahedron Letters</i> , 2002, 43, 209-211.	0.7	50
15	Alkene-Alkyne Cross Metathesis. <i>Organic Letters</i> , 2008, 10, 2055-2058.	2.4	50
16	Ring Synthesis by Stereoselective, Methylene-Free Enyne Cross Metathesis. <i>Journal of the American Chemical Society</i> , 2004, 126, 8110-8111.	6.6	46
17	Tandem dienyne cross-metathesis/ring-closing metathesis. <i>Tetrahedron Letters</i> , 2001, 42, 171-174.	0.7	44
18	Cycloheptadiene Ring Synthesis by Tandem Intermolecular Enyne Metathesis. <i>Organic Letters</i> , 2003, 5, 3463-3466.	2.4	43

#	ARTICLE	IF	CITATIONS
19	Aromatic Amination/Imination Approach to Chiral Benzimidazoles. <i>Journal of Organic Chemistry</i> , 2002, 67, 1708-1711.	1.7	40
20	Cyclodimerization of Alkynes with Phosphine-Free Ruthenium Carbene Complexes: A Carbene Consumption by a Shunted Alkyne Oligomerization. <i>Journal of the American Chemical Society</i> , 2007, 129, 5832-5833.	6.6	30
21	Cross Enyne Metathesis of para-Substituted Styrenes: A Kinetic Study of Enyne Metathesis. <i>Organic Letters</i> , 2005, 7, 351-354.	2.4	28
22	Functional Group Scope in the Methylene-Free, Tandem Enyne Metathesis. <i>Organic Letters</i> , 2006, 8, 2539-2542.	2.4	28
23	Removal of Ruthenium Using a Silica Gel Supported Reagent. <i>Organic Letters</i> , 2013, 15, 5416-5419.	2.4	27
24	Atom Economy in the Metathesis Cross-Coupling of Alkenes and Alkynes. <i>Organic Letters</i> , 2011, 13, 2896-2899.	2.4	26
25	From Resting State to the Steady State: Mechanistic Studies of Ene-Yne Metathesis Promoted by the Hoveyda Complex. <i>Journal of the American Chemical Society</i> , 2016, 138, 5380-5391.	6.6	24
26	Equilibrium Control in Enyne Metathesis: A Crossover Studies and the Kinetic Reactivity of (E,Z)-1,3-Disubstituted-1,3-Dienes. <i>Journal of Organic Chemistry</i> , 2005, 70, 1046-1049.	1.7	22
27	Metal carbenes in enyne metathesis: Synthetic and mechanistic studies. <i>Journal of Molecular Catalysis A</i> , 2006, 254, 29-42.	4.8	22
28	Mild Isomerization of Conjugated Dienes Using Co-Mediated Hydrogen Atom Transfer. <i>Organic Letters</i> , 2020, 22, 750-754.	2.4	19
29	A New Method for the Synthesis of Imidazolidinone- and Benzimidazolone-Containing [2.2]Cyclophanes. <i>Organic Letters</i> , 2000, 2, 3785-3788.	2.4	16
30	Enyne Metathesis: A Catalytic, Cross-Selective Diene Synthesis. <i>Synthesis</i> , 2004, 2004, 466-471.	1.2	15
31	Selective tandem enyne metathesis for the synthesis of functionalized cycloheptadienes. <i>Tetrahedron</i> , 2008, 64, 6909-6919.	1.0	15
32	Mechanism of Intermolecular Ene-yne Metathesis Promoted by the Grubbs First-Generation Catalyst: An Alternative Entry Point to Catalysis. <i>Organometallics</i> , 2011, 30, 1319-1321.	1.1	14
33	Removal of Palladium from Cross-Coupling Reactions Using Isocyanide Reagents. <i>Advanced Synthesis and Catalysis</i> , 2015, 357, 361-365.	2.1	12
34	A Macrocyclic Ruthenium Carbene for Size-Selective Alkene Metathesis. <i>Journal of the American Chemical Society</i> , 2020, 142, 3371-3374.	6.6	12
35	Kinetics and Mechanism of Isocyanide-Promoted Carbene Insertion into the Aryl Substituent of an N-Heterocyclic Carbene Ligand in Ruthenium-Based Metathesis Catalysts. <i>Organometallics</i> , 2017, 36, 3043-3052.	1.1	11
36	Two Ene-Yne Metathesis Approaches to the Total Synthesis of Amphidinolide P. <i>Organic Letters</i> , 2015, 17, 3510-3513.	2.4	10

#	ARTICLE	IF	CITATIONS
37	Highly Selective Ring Expansion of Bicyclo[3.1.0]hexenes. <i>Organic Letters</i> , 2016, 18, 5320-5323.	2.4	9
38	Conformational Control of Initiation Rate in Hoveyda-Grubbs Precatalysts. <i>Organometallics</i> , 2018, 37, 1526-1533.	1.1	9
39	Macrocyclic N-Heterocyclic Carbenes: Synthesis and Catalytic Applications. <i>Organometallics</i> , 2019, 38, 2338-2346.	1.1	9
40	Ene-Yne Metathesis of Allylphosphonates and Allylphosphates: Synthesis of Phosphorus-Containing 1,3-Dienes. <i>Journal of Organic Chemistry</i> , 2021, 86, 1371-1384.	1.7	8
41	Toward the synthesis of amphidinolide P: optimization of a model ene-yne metathesis fragment coupling. <i>Tetrahedron Letters</i> , 2014, 55, 4933-4937.	0.7	6
42	Regioselective Cu-Catalyzed Hydroboration of 1,3-Disubstituted-1,3-Dienes: Functionalization of Conjugated Dienes Readily Accessible through Ene-Yne Metathesis. <i>ACS Catalysis</i> , 2022, 12, 6434-6443.	5.5	6
43	Ruthenium Removal Using Silica-Supported Aromatic Isocyanides. <i>Journal of Organometallic Chemistry</i> , 2021, 944, 121800.	0.8	1
44	Catalyst takes control to heart. <i>Nature</i> , 2008, 456, 883-885.	13.7	0
45	Correction to Kinetics and Mechanism of Isocyanide-Promoted Carbene Insertion into the Aryl Substituent of an N-Heterocyclic Carbene Ligand in Ruthenium-Based Metathesis Catalysts. <i>Organometallics</i> , 2018, 37, 2653-2653.	1.1	0