

Ruben Vicente

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3952192/publications.pdf>

Version: 2024-02-01

70
papers

8,877
citations

71102

41
h-index

79698

73
g-index

116
all docs

116
docs citations

116
times ranked

5328
citing authors

#	ARTICLE	IF	CITATIONS
1	Transition-Metal-Catalyzed Direct Arylation of (Hetero)Arenes by C-H Bond Cleavage. <i>Angewandte Chemie - International Edition</i> , 2009, 48, 9792-9826.	13.8	2,623
2	Assisted Ruthenium-Catalyzed C-H Bond Activation: Carboxylic Acids as Cocatalysts for Generally Applicable Direct Arylations in Apolar Solvents. <i>Organic Letters</i> , 2008, 10, 2299-2302.	4.6	365
3	Recent advances in indole syntheses: New routes for a classic target. <i>Organic and Biomolecular Chemistry</i> , 2011, 9, 6469.	2.8	335
4	Copper-Catalyzed "Click" Reaction/Direct Arylation Sequence: Modular Syntheses of 1,2,3-Triazoles. <i>Organic Letters</i> , 2008, 10, 3081-3084.	4.6	320
5	Ruthenium-Catalyzed Regioselective Direct Alkylation of Arenes with Unactivated Alkyl Halides through C-H Bond Cleavage. <i>Angewandte Chemie - International Edition</i> , 2009, 48, 6045-6048.	13.8	301
6	Mechanistic Insight into Direct Arylations with Ruthenium(II) Carboxylate Catalysts. <i>Organic Letters</i> , 2010, 12, 5032-5035.	4.6	256
7	Ruthenium-Catalyzed Direct Arylations Through C-H Bond Cleavages. <i>Topics in Current Chemistry</i> , 2009, 292, 211-229.	4.0	221
8	Carboxylate-Assisted Ruthenium-Catalyzed Direct Alkylations of Ketimines. <i>Organic Letters</i> , 2011, 13, 1875-1877.	4.6	204
9	Palladium-Catalyzed Direct Arylations of 1,2,3-Triazoles with Aryl Chlorides using Conventional Heating. <i>Advanced Synthesis and Catalysis</i> , 2008, 350, 741-748.	4.3	168
10	Catalytic Direct Arylations in Polyethylene Glycol (PEG): Recyclable Palladium(0) Catalyst for C-H Bond Cleavages in the Presence of Air. <i>Organic Letters</i> , 2009, 11, 4922-4925.	4.6	162
11	Metal-Free Direct Arylations of Indoles and Pyrroles with Diaryliodonium Salts. <i>Organic Letters</i> , 2011, 13, 2358-2360.	4.6	158
12	Catalytic Generation of Zinc Carbenes from Alkynes: Zinc-Catalyzed Cyclopropanation and Si-H Bond Insertion Reactions. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 8063-8067.	13.8	149
13	Zinc-Catalyzed Synthesis of Functionalized Furans and Triarylmethanes from Enynones and Alcohols or Azoles: Dual C-H Bond Activation by Zinc. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 5853-5857.	13.8	124
14	Cu(I)-Catalyzed Regioselective Synthesis of Polysubstituted Furans from Propargylic Esters via Postulated (2-Furyl)carbene Complexes. <i>Journal of the American Chemical Society</i> , 2008, 130, 13528-13529.	13.7	116
15	C-C Bond Cleavages of Cyclopropenes: Operating for Selective Ring-Opening Reactions. <i>Chemical Reviews</i> , 2021, 121, 162-226.	47.7	110
16	Ruthenium-Catalyzed Direct Arylations of Aryl 1,2,3-Triazoles with Aryl Chlorides as Electrophiles. <i>ChemSusChem</i> , 2009, 2, 546-549.	6.8	101
17	Air-Stable Secondary Phosphine Oxide as Preligand for Palladium-Catalyzed Intramolecular C-Arylations with Chloroarenes. <i>Organic Letters</i> , 2009, 11, 4274-4276.	4.6	101
18	Rearrangement of Propargylic Esters: A Metal-Based Stereospecific Synthesis of (E)- and (Z)-Knoevenagel Derivatives. <i>Journal of the American Chemical Society</i> , 2007, 129, 7772-7773.	13.7	97

#	ARTICLE	IF	CITATIONS
19	Recent Progresses towards the Strengthening of Cyclopropene Chemistry. <i>Synthesis</i> , 2016, 48, 2343-2360.	2.3	95
20	New Fischer Carbene Complexes of Rhodium(I): Preparation and 2-Cyclopentenone Ring Synthesis by Annelation to Alkynes. <i>Journal of the American Chemical Society</i> , 2004, 126, 470-471.	13.7	92
21	Ruthenium-Catalyzed C-H Bond Functionalizations of 1,2,3-Triazol-4-yl-Substituted Arenes: Dehydrogenative Couplings Versus Direct Arylations. <i>Synthesis</i> , 2010, 2010, 2245-2253.	2.3	90
22	Gold-catalyzed synthesis of tetrahydrocarbazole derivatives through an intermolecular cycloaddition of vinyl indoles and N-allenamides. <i>Chemical Communications</i> , 2013, 49, 3594.	4.1	75
23	Base- and metal-free C-H direct arylations of naphthalene and other unbiased arenes with diaryliodonium salts. <i>Chemical Communications</i> , 2012, 48, 9089.	4.1	70
24	Metal-Controlled Selective [3+2] Cyclization Reactions of Alkenyl Fischer Carbene Complexes and Allenes. <i>Journal of the American Chemical Society</i> , 2004, 126, 5974-5975.	13.7	69
25	Metabolic and Transcriptional Analysis of Durum Wheat Responses to Elevated CO ₂ at Low and High Nitrate Supply. <i>Plant and Cell Physiology</i> , 2016, 57, 2133-2146.	3.1	67
26	Specific Synthesis of 1,2- and 1,3-Dialkylidenecycloheptanes by [3+2+2] Cyclization of Alkenyl Fischer Carbene Complexes and Allenes. <i>Journal of the American Chemical Society</i> , 2004, 126, 14354-14355.	13.7	62
27	Zinc-Catalyzed Cyclopropanation of Alkynes via 2-Furylcarbenoids. <i>Organic Letters</i> , 2014, 16, 5780-5783.	4.6	61
28	Gold-Catalyzed Functionalization of Unactivated C(sp ³)-H Bonds by Hydride Transfer Facilitated by Alkynylspirocyclopropanes. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 10377-10381.	13.8	60
29	Zinc-Catalyzed Alkene Cyclopropanation through Zinc Vinyl Carbenoids Generated from Cyclopropenes. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 12139-12143.	13.8	60
30	Zinc-catalyzed synthesis of 2-alkenylfurans via cross-coupling of enynones and diazo compounds. <i>Chemical Communications</i> , 2014, 50, 8536-8538.	4.1	59
31	Improving crop yield and resilience through optimization of photosynthesis: panacea or pipe dream?. <i>Journal of Experimental Botany</i> , 2021, 72, 3936-3955.	4.8	59
32	Durum wheat ears perform better than the flag leaves under water stress: Gene expression and physiological evidence. <i>Environmental and Experimental Botany</i> , 2018, 153, 271-285.	4.2	52
33	New avenues for increasing yield and stability in C3 cereals: exploring ear photosynthesis. <i>Current Opinion in Plant Biology</i> , 2020, 56, 223-234.	7.1	52
34	Highly Chemo-, Regio-, and Stereoselective [3+2]-Cyclization of Activated and Deactivated Allenes with Alkenyl Fischer Carbene Complexes: A Straightforward Access to Alkylidenecyclopentanone Derivatives. <i>Journal of the American Chemical Society</i> , 2006, 128, 7050-7054.	13.7	51
35	Gold-Catalyzed Rearrangements: Reaction Pathways Using 1-Alkenyl-Alkynylcyclopropane Substrates. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 2107-2110.	13.8	46
36	Rhodium-catalyzed carbene transfer to alkynes via 2-furylcarbenes generated from enynones. <i>Chemical Communications</i> , 2014, 50, 5379-5381.	4.1	45

#	ARTICLE	IF	CITATIONS
37	Transmetalation Reactions from Fischer Carbene Complexes to Late Transition Metals: A DFT Study. Chemistry - A European Journal, 2008, 14, 11222-11230.	3.3	44
38	Manganese-Mediated C-H Alkylation of Unbiased Arenes Using Alkylboronic Acids. Chemistry - A European Journal, 2016, 22, 9068-9071.	3.3	42
39	Zinc-Catalyzed Synthesis of Allylsilanes by Si-H Bond Insertion of Vinyl Carbenoids Generated from Cyclopropenes. Angewandte Chemie - International Edition, 2017, 56, 7930-7934.	13.8	41
40	Gold(I)-Catalyzed Synthesis of Tetrahydrocarbazoles via Cascade [3,3]-Propargylic Rearrangement/[4+2]-Cycloaddition of Vinylindoles and Propargylic Esters. Advanced Synthesis and Catalysis, 2016, 358, 403-409.	4.3	40
41	Copper-catalyzed dimerization of chromium Fischer carbene complexes: synthesis of dialkoxytrienes and their Nazarov-type cyclization to 2-alkoxy-2-cyclopentenones. Journal of Organometallic Chemistry, 2004, 689, 3793-3799.	1.8	35
42	Synthesis of Bifunctional Allylic Compounds by Using Cyclopropenes as Functionalized Allyl Equivalents. Angewandte Chemie - International Edition, 2018, 57, 11422-11426.	13.8	34
43	Chromium(0)-rhodium(I) metal exchange: Synthesis and X-ray structure of new Fischer (NHC)carbene complexes of rhodium(I). Journal of Organometallic Chemistry, 2006, 691, 5642-5647.	1.8	33
44	Mechanistic Studies on the Rearrangement of 1-Alkenyl-2-Alkynylcyclopropanes: From Allylic Gold(I) Cations to Stable Carbocations. Angewandte Chemie - International Edition, 2014, 53, 12097-12100.	13.8	33
45	Zinc-Catalyzed Synthesis of Conjugated Dienoates through Unusual Cross-Couplings of Zinc Carbenes with Diazo Compounds. Chemistry - A European Journal, 2017, 23, 1013-1017.	3.3	31
46	Zinc-Catalyzed Functionalization of Si-H Bonds with Furyl Carbenoids through Three-Component Coupling. Chemistry - A European Journal, 2015, 21, 8998-9002.	3.3	29
47	Zinc reagents as non-noble catalysts for alkyne activation. Tetrahedron Letters, 2015, 56, 1600-1608.	1.4	25
48	Zinc-Catalyzed Multicomponent Reactions: Easy Access to Furyl-Substituted Cyclopropane and 1,2-Dioxolane Derivatives. European Journal of Organic Chemistry, 2016, 2016, 2681-2687.	2.4	25
49	Carbene X H bond insertions catalyzed by copper(I) macrocyclic pyridine-containing ligand (PcL) complexes. Journal of Organometallic Chemistry, 2017, 835, 1-5.	1.8	25
50	Alkynylcyclopropanes from Terminal Alkynes through Consecutive Coupling to Fischer Carbene Complexes and Selective Propargylene Transfer. Chemistry - A European Journal, 2011, 17, 2349-2352.	3.3	21
51	Augmented Reality, a Review of a Way to Represent and Manipulate 3D Chemical Structures. Journal of Chemical Information and Modeling, 2022, 62, 1863-1872.	5.4	21
52	Rhodium(I)-catalyzed [3+2+2]-cyclization of alkenyl Fischer carbene complexes with methyl buta-2,3-dienoate. Tetrahedron, 2010, 66, 6335-6339.	1.9	19
53	An Alternative Reaction Outcome in the Gold-Catalyzed Rearrangement of 1-Alkynyloxiranes. European Journal of Organic Chemistry, 2012, 2012, 6140-6143.	2.4	18
54	Controlling Selectivity in Alkene Oxidation: Anion Driven Epoxidation or Dihydroxylation Catalysed by [Iron(III)(Pyridine-Containing Ligand)] Complexes. ChemCatChem, 2019, 11, 4907-4915.	3.7	17

#	ARTICLE	IF	CITATIONS
55	Rhodium(I) catalyzed four-component reaction of Fischer alkenyl carbene complexes and 1,1-diphenylallene. <i>Tetrahedron</i> , 2005, 61, 11327-11332.	1.9	16
56	C and N metabolism in barley leaves and peduncles modulates responsiveness to changing CO ₂ . <i>Journal of Experimental Botany</i> , 2019, 70, 599-611.	4.8	14
57	Zinc-Catalyzed Synthesis of Allylsilanes by Si-H Bond Insertion of Vinyl Carbenoids Generated from Cyclopropenes. <i>Angewandte Chemie</i> , 2017, 129, 8038-8042.	2.0	12
58	Synthesis of 1,2-divinylcyclopropanes by metal-catalyzed cyclopropanation of 1,3-dienes with cyclopropenes as vinyl carbene precursors. <i>Beilstein Journal of Organic Chemistry</i> , 2019, 15, 285-290.	2.2	12
59	Zinc-catalyzed Meinwald rearrangement of tetrasubstituted 1-alkynyloxiranes to tertiary α -alkynylketones. <i>Catalysis Science and Technology</i> , 2013, 3, 932.	4.1	9
60	Synthesis of Bifunctional Allylic Compounds by Using Cyclopropenes as Functionalized Allyl Equivalents. <i>Angewandte Chemie</i> , 2018, 130, 11592-11596.	2.0	9
61	Source-Sink Dynamics in Field-Grown Durum Wheat Under Contrasting Nitrogen Supplies: Key Role of Non-Foliar Organs During Grain Filling. <i>Frontiers in Plant Science</i> , 2022, 13, 869680.	3.6	9
62	Synthesis of Silylcyclopropanes through the Catalytic Generation of Zinc Silylcarbenoids from Enynones. <i>Synlett</i> , 2015, 26, 2685-2689.	1.8	8
63	Recent progress in the chemistry of 12-membered pyridine-containing tetraazamacrocycles: from synthesis to catalysis. <i>Dalton Transactions</i> , 2022, 51, 10635-10657.	3.3	7
64	Gold-catalysed rearrangement of unconventional cyclopropane-tethered 1,5-enynes. <i>Chemical Communications</i> , 2022, 58, 8206-8209.	4.1	2
65	Zinc-Mediated Synthesis of Heterocycles. , 2018, , 285-310.		1
66	Catalytic cyclopropanation reactions with α -silyl-, germyl- and stannyl carbenes generated from cyclopropenes. <i>Chemical Communications</i> , 2022, 58, 8416-8419.	4.1	1
67	New Fischer Carbene Complexes of Rhodium(I): Preparation and 2-Cyclopentenone Ring Synthesis by Anellation to Alkynes.. <i>ChemInform</i> , 2004, 35, no.	0.0	0
68	Metal-Controlled Selective [3 + 2] Cyclization Reactions of Alkenyl Fischer Carbene Complexes and Allenes.. <i>ChemInform</i> , 2004, 35, no.	0.0	0
69	Specific Synthesis of 1,2- and 1,3-Dialkylidencycloheptanes by [3 + 2 + 2] Cyclization of Alkenyl Fischer Carbene Complexes and Allenes.. <i>ChemInform</i> , 2005, 36, no.	0.0	0
70	Copper-Catalyzed Dimerization of Chromium Fischer Carbene Complexes: Synthesis of Dialkoxytrienes and Their Nazarov-Type Cyclization to 2-Alkoxy-2-cyclopentenones.. <i>ChemInform</i> , 2005, 36, no.	0.0	0