

Carlos ValdÃ©s

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5385202/publications.pdf>

Version: 2024-02-01

90
papers

5,895
citations

76326

40
h-index

76900

74
g-index

147
all docs

147
docs citations

147
times ranked

2970
citing authors

#	ARTICLE	IF	CITATIONS
1	Tosylhydrazones: New Uses for Classic Reagents in Palladium-Catalyzed Cross-Coupling and Metal-Free Reactions. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 7486-7500.	13.8	598
2	N-Tosylhydrazones as Reagents for Cross-Coupling Reactions: A Route to Polysubstituted Olefins. <i>Angewandte Chemie - International Edition</i> , 2007, 46, 5587-5590.	13.8	340
3	Metal-free carbon-carbon bond-forming reductive coupling between boronic acids and tosylhydrazones. <i>Nature Chemistry</i> , 2009, 1, 494-499.	13.6	336
4	Modular Synthesis of Indoles from Imines and <i>o</i> -Dihaloarenes or <i>o</i> -Chlorosulfonates by a Pd-Catalyzed Cascade Process. <i>Journal of the American Chemical Society</i> , 2009, 131, 4031-4041.	13.7	159
5	Control of Self-Assembly and Reversible Encapsulation of Xenon in a Self-Assembling Dimer by Acid-Base Chemistry. <i>Journal of the American Chemical Society</i> , 1995, 117, 85-88.	13.7	156
6	Straightforward Synthesis of Ethers: Metal-Free Reductive Coupling of Tosylhydrazones with Alcohols or Phenols. <i>Angewandte Chemie - International Edition</i> , 2010, 49, 4993-4996.	13.8	150
7	Pd-Catalyzed Cross-Coupling Reactions with Carbonyls: Application in a Very Efficient Synthesis of 4-Aryltetrahydropyridines. <i>Chemistry - A European Journal</i> , 2008, 14, 4792-4795.	3.3	128
8	The Azaallylic Anion as a Synthone for Pd-Catalyzed Synthesis of Heterocycles: Domino Two- and Three-Component Synthesis of Indoles. <i>Angewandte Chemie - International Edition</i> , 2007, 46, 1529-1532.	13.8	126
9	Synthesis of Polysubstituted Olefins by Pd-Catalyzed Cross-Coupling Reaction of Tosylhydrazones and Aryl Nonaflates. <i>Organic Letters</i> , 2011, 13, 510-513.	4.6	124
10	Developments in Pd Catalysis: Synthesis of 1H-1,2,3-Triazoles from Sodium Azide and Alkenyl Bromides. <i>Angewandte Chemie - International Edition</i> , 2006, 45, 6893-6896.	13.8	115
11	Arylation of α -Chiral Ketones by Palladium-Catalyzed Cross-Coupling Reactions of Tosylhydrazones with Aryl Halides. <i>Angewandte Chemie - International Edition</i> , 2010, 49, 6856-6859.	13.8	113
12	[1,5]-Hydride Transfer/Cyclizations on Alkynyl Fischer Carbene Complexes: Synthesis of 1,2-Dihydroquinolinyl Carbene Complexes and Cascade Reactions. <i>Angewandte Chemie - International Edition</i> , 2008, 47, 6594-6597.	13.8	107
13	Cascade Alkenyl Amination/Heck Reaction Promoted by a Bifunctional Palladium Catalyst: A Novel One-Pot Synthesis of Indoles from <i>o</i> -Haloanilines and Alkenyl Halides. <i>Chemistry - A European Journal</i> , 2005, 11, 2276-2283.	3.3	105
14	Olefination of Carbonyl Compounds through Reductive Coupling of Alkenylboronic Acids and Tosylhydrazones. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 5953-5957.	13.8	104
15	Synthesis and Self-Assembly of Pseudo-Spherical Homo- and Heterodimeric Capsules. <i>Journal of the American Chemical Society</i> , 1995, 117, 12733-12745.	13.7	103
16	Regioselective One-Step Synthesis of Pyrazoles from Alkynes and N-Tosylhydrazones: [3+2]-Dipolar Cycloaddition/[1,5]-Sigmatropic Rearrangement Cascade. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 7219-7223.	13.8	102
17	N-Trialkylsilylimines as Coupling Partners for Pd-Catalyzed C-N Bond-Forming Reactions: One-Step Synthesis of Imines and Azadienes from Aryl and Alkenyl Bromides. <i>Angewandte Chemie - International Edition</i> , 2004, 43, 343-345.	13.8	98
18	2-Amino-1,3-butadienes as chiral building blocks: enantioselective synthesis of 4-piperidones, 4-nitrocyclohexanones, and 1,3-cycloheptadione derivatives. <i>Journal of the American Chemical Society</i> , 1993, 115, 4403-4404.	13.7	97

#	ARTICLE	IF	CITATIONS
19	Synthesis of Enol Ethers and Enamines by Pd-Catalyzed Tosylhydrazide-Promoted Cross-Coupling Reactions. <i>Chemistry - A European Journal</i> , 2009, 15, 13291-13294.	3.3	83
20	Palladium-Catalyzed Cross-Coupling Reactions of Amines with Alkenyl Bromides: A New Method for the Synthesis of Enamines and Imines. <i>Chemistry - A European Journal</i> , 2004, 10, 494-507.	3.3	79
21	Tosylhydrazide-Promoted Palladium-Catalyzed Reaction of α -Aminoketones with α -Dihaloarenes: Combining Organocatalysis and Transition-Metal Catalysis. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 2350-2353.	13.8	76
22	Synthesis of Chiral Pyrazoles: A 1,3-Dipolar Cycloaddition/[1,5] Sigmatropic Rearrangement with Stereoretentive Migration of a Stereogenic Group. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 13729-13733.	13.8	74
23	Synthesis of Dienes by Palladium-Catalyzed Couplings of Tosylhydrazones with Aryl and Alkenyl Halides. <i>Advanced Synthesis and Catalysis</i> , 2010, 352, 3235-3240.	4.3	70
24	Novel method for the synthesis of enamines by palladium catalyzed amination of alkenyl bromides. <i>Chemical Communications</i> , 2002, , 2362-2363.	4.1	69
25	Reductive Azidation of Carbonyl Compounds via Tosylhydrazone Intermediates Using Sodium Azide. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 5950-5952.	13.8	64
26	Palladium catalyzed alkenyl amination: from enamines to heterocyclic synthesis. <i>Chemical Communications</i> , 2005, , 4891.	4.1	60
27	Synthesis of α -Arylacrylates from Pyruvate by Tosylhydrazide-Promoted Pd-Catalyzed Coupling with Aryl Halides. <i>Chemistry - A European Journal</i> , 2010, 16, 12801-12803.	3.3	60
28	Pd-Catalyzed Autotandem C-C Bond-Forming Reactions with Tosylhydrazones: Synthesis of Spirocycles with Extended π -Conjugation. <i>Organic Letters</i> , 2014, 16, 2264-2267.	4.6	56
29	Stereoselective Domino Carbocyclizations of α - and β -Cyano- α -tosylhydrazones with Alkenylboronic Acids with Formation of Two Different C(sp ³)-C(sp ²) Bonds on a Quaternary Stereocenter. <i>Journal of the American Chemical Society</i> , 2016, 138, 12061-12064.	13.7	50
30	Palladium catalyzed amination of vinyl chlorides: a new entry to imines, enamines and 2-amino-1,3-butadienes. <i>Chemical Communications</i> , 2004, , 1400-1401.	4.1	49
31	Palladium-Catalyzed Cross-Coupling between Vinyl Halides and tert-Butyl Carbazate: First General Synthesis of the Unusual N-Boc-N-alkenylhydrazines. <i>Organic Letters</i> , 2007, 9, 275-278.	4.6	49
32	Stereoselective synthesis of 4-piperidone and 4-aminotetrahydropyridine derivatives by the imino Diels-Alder reaction of 2-amino-1,3-butadienes. <i>Journal of Organic Chemistry</i> , 1993, 58, 3391-3396.	3.2	47
33	Enantioselective Synthesis of Highly Functionalized 4-Piperidones by the Asymmetric Imino-Diels-Alder Reaction of Chiral α -Amino- β -Butadienes. <i>Chemistry - A European Journal</i> , 1996, 2, 805-811.	3.3	43
34	Synthesis of α -N-alkenylazoles and Pyrroloisoquinolines from α -Azoleketones through Pd-Catalyzed Tosylhydrazone Cross-Couplings. <i>Chemistry - A European Journal</i> , 2013, 19, 10506-10510.	3.3	43
35	A Novel Approach to the Enantioselective Synthesis of Nuphar Alkaloids: First Total Synthesis of (β)-(5S,8R,9S)-5-(3-Furyl)-8-methyloctahydroindolizidine and Total Synthesis of (β)-Nupharamine. <i>Journal of Organic Chemistry</i> , 1999, 64, 3736-3740.	3.2	42
36	Synthesis of Sulfones by Iron-Catalyzed Decomposition of Sulfonylhydrazones. <i>European Journal of Organic Chemistry</i> , 2011, 2011, 1520-1526.	2.4	42

#	ARTICLE	IF	CITATIONS
37	Synthesis of Polysubstituted Isoquinolines through Cross-Coupling Reactions with $\hat{I}\pm$ -Alkoxytosylhydrazones. <i>Organic Letters</i> , 2012, 14, 2323-2325.	4.6	40
38	Multicomponent and one-pot synthesis of trisubstituted pyridines through a Pd-catalyzed cross-coupling/cross-coupling/cycloaddition sequence. <i>Tetrahedron</i> , 2008, 64, 778-786.	1.9	39
39	Enantioselective Synthesis of Substituted Pipercolic Acid Derivatives. <i>Journal of Organic Chemistry</i> , 1998, 63, 3918-3924.	3.2	38
40	Synthesis of 1,3-diaryl-3-trifluoromethylcyclopropenes by transition-metal-free reaction of 2,2,2-trifluoroacetophenone tosylhydrazones with alkynes: the effect of the trifluoromethyl group. <i>Chemical Communications</i> , 2016, 52, 3677-3680.	4.1	38
41	A Concise and Convergent Route to 5,8-Disubstituted Indolizidine and 1,4-Disubstituted Quinolizidine Ring Cores by Diastereoselective Aza-Diels-Alder Reaction. <i>Organic Letters</i> , 2002, 4, 1971-1974.	4.6	37
42	Pd-catalyzed cascade reactions between o-iodo-N-alkenylanilines and tosylhydrazones: novel approaches to the synthesis of polysubstituted indoles and 1,4-dihydroquinolines. <i>Chemical Communications</i> , 2016, 52, 6312-6315.	4.1	37
43	A Very Simple Synthesis of Chloroalkenes and Chlorodienes by Selective Suzuki Couplings of 1,1- and 1,2-Dichloroethylene. <i>Advanced Synthesis and Catalysis</i> , 2006, 348, 347-353.	4.3	36
44	New Cascade Processes on Group 6 Fischer-Type Carbene Complexes: Cyclopropanation and Metathesis Reactions. <i>Organic Letters</i> , 2007, 9, 4143-4146.	4.6	35
45	A General Synthesis of $\hat{I}\pm$ -Trifluoromethylstyrenes through Palladium-Catalyzed Cross-Couplings with 1,1,1-Trifluoroacetone Tosylhydrazone. <i>Advanced Synthesis and Catalysis</i> , 2014, 356, 1079-1084.	4.3	34
46	The Pd-catalyzed synthesis of benzofused carbo- and heterocycles through carbene migratory insertion/carbopalladation cascades with tosylhydrazones. <i>Chemical Communications</i> , 2015, 51, 16241-16243.	4.1	31
47	Catalytic aminomercuriation reactions of 3-alken-1-ynes: an improved method for the synthesis of 2-amino-1,3-butadienes and 1-aza-1,3-butadienes. <i>Journal of Organic Chemistry</i> , 1991, 56, 6166-6171.	3.2	30
48	$\hat{I}\pm$ On Water, Microwave-Assisted, Pd-Catalyzed Synthesis of Indoles from Imines and $\hat{I}\pm$ -Difunctionalized Arenes. <i>Chemistry - A European Journal</i> , 2010, 16, 11707-11711.	3.3	29
49	Transition-Metal-Free Reactions Between Boronic Acids and N-Sulfonylhydrazones or Diazo Compounds: Reductive Coupling Processes and Beyond. <i>Synlett</i> , 2017, 28, 2373-2389.	1.8	29
50	Pseudo-Spherical Host Molecules: Synthesis, Dimerization, and Nucleation Effects. <i>Angewandte Chemie International Edition in English</i> , 1995, 34, 1885-1887.	4.4	28
51	Pd-Catalyzed Autotandem Reactions with $\hat{I}\pm$ -Tosylhydrazones. Synthesis of Condensed Carbo- and Heterocycles by Formation of a C-C Single Bond and a C=C Double Bond on the Same Carbon Atom. <i>Organic Letters</i> , 2017, 19, 2034-2037.	4.6	28
52	An imino-Diels-Alder route to meso-2,6-disubstituted-4-piperidones. <i>Tetrahedron Letters</i> , 2004, 45, 4357-4360.	1.4	27
53	Structurally Diverse $\hat{I}\pm$ -Extended Conjugated Polycarbo- and Heterocycles through Pd-Catalyzed Autotandem Cascades. <i>Chemistry - A European Journal</i> , 2015, 21, 16463-16473.	3.3	25
54	Stereoselective Csp ³ -Csp ² Bond-Forming Reactions by Transition-Metal-Free Reductive Coupling of Cyclic Tosylhydrazones with Boronic Acids. <i>Chemistry - A European Journal</i> , 2016, 22, 6253-6257.	3.3	24

#	ARTICLE	IF	CITATIONS
55	Cycloaddition Reactions of Chiral 2-Amino-1,3-butadienes with Nitroalkenes: Synthesis of Enantiomerically Pure 4-Nitrocyclohexanones. <i>Journal of Organic Chemistry</i> , 1997, 62, 6746-6753.	3.2	22
56	Synthesis of 1,1-Disubstituted Indenes and Dihydronaphthalenes through C=C Bond-Forming Pd-Catalyzed Autotandem Reactions. <i>Organic Letters</i> , 2017, 19, 4086-4089.	4.6	22
57	A very simple synthesis of divinylketones. <i>Tetrahedron Letters</i> , 1989, 30, 1413-1416.	1.4	19
58	Synthesis of Enantiomerically Pure Functionalized cis- and trans-2-Aminocyclohexanecarboxylic Acid Derivatives. <i>Journal of Organic Chemistry</i> , 1998, 63, 10052-10056.	3.2	19
59	Palladium-Catalyzed Amination of 1-Bromo- and 1-Chloro-1,3-butadienes: A General Method for the Synthesis of 1-Amino-1,3-butadienes. <i>Advanced Synthesis and Catalysis</i> , 2004, 346, 1697-1701.	4.3	19
60	A Straightforward and Versatile Synthetic Approach to 1-Azabicyclic Alkaloids. <i>Journal of Organic Chemistry</i> , 2004, 69, 7114-7122.	3.2	19
61	Extended Diels-Alder Like Cyclization Reactions Towards the Synthesis of Eight-Membered Ring-Containing Polycycles: Scope and Theoretical Studies. <i>Chemistry - A European Journal</i> , 2007, 13, 7682-7700.	3.3	19
62	Straightforward Reductive Esterification of Carbonyl Compounds with Carboxylic Acids through Tosylhydrazone Intermediates. <i>European Journal of Organic Chemistry</i> , 2012, 2012, 3925-3928.	2.4	18
63	Domino Synthesis of Benzo-Fused β,β -Unsaturated Ketones from Alkenylboronic Acids and α -Tosylhydrazone-Tethered Benzonitriles. <i>Organic Letters</i> , 2019, 21, 632-635.	4.6	18
64	Reactivity of 2-morpholinobutadienes with heterocumulenes: Stereoselective synthesis of thiins and new 2-morpholinobutadiene derivatives. <i>Tetrahedron Letters</i> , 1990, 31, 5237-5240.	1.4	17
65	Solid-Phase Synthesis of Polysubstituted Piperidines by Imino-Diels-Alder Cycloaddition of 2-Amino-1,3-butadienes with Solid-Supported Imines. <i>Organic Letters</i> , 2002, 4, 3667-3670.	4.6	17
66	Synthesis of Highly Substituted Polyenes by Palladium-Catalyzed Cross-Couplings of Sterically Encumbered Alkenyl Bromides and α -Tosylhydrazones. <i>Advanced Synthesis and Catalysis</i> , 2017, 359, 1058-1062.	4.3	17
67	Synthesis of Pyrrolidines by a $\text{Csp}^3/\text{Csp}^3/\text{Csp}^3/\text{N}$ Transition-Metal-Free Domino Reaction of Boronic Acids with α -Azido- α -Tosylhydrazones. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 1273-1280.	13.8	17
68	Substituent effects on the reactivity of 2-morpholinobutadienes in the presence of dienophiles. <i>Journal of the Chemical Society Perkin Transactions 1</i> , 1990, , 633-638.	0.9	15
69	Catalytic imino-Diels-Alder reactions of 2-aminodienes: a simple entry into structurally diverse pipercolic acid derivatives. <i>Tetrahedron Letters</i> , 2002, 43, 8159-8163.	1.4	15
70	Heterocyclization and Spirocyclization Processes Based on Domino Reactions of α -Tosylhydrazones and Boronic Acids Involving Intramolecular Allylborylations of Nitriles. <i>Chemistry - A European Journal</i> , 2018, 24, 14836-14843.	3.3	15
71	Unusual Reactivity of Isoquinolinones Generated by Silver-Catalyzed Cycloisomerizations of Imines Derived from α -Alkynylsalicylaldehydes. <i>Journal of Organic Chemistry</i> , 2019, 84, 3184-3191.	3.2	15
72	Structure and Selectivity of a Small Dimeric Encapsulating Assembly. <i>Chemistry - A European Journal</i> , 1996, 2, 989-991.	3.3	13

#	ARTICLE	IF	CITATIONS
73	Cascade Reactions of Dialkynyl Fischer Carbene Complexes Involving Intramolecular Alkyne Insertions Oriented to the Synthesis of Functionalized Polycycles. <i>Organometallics</i> , 2008, 27, 3593-3600.	2.3	13
74	Construction of NH-Protected Spiropyrrolidines and Spiroisindolines by [4+1] Cyclizations of β -Azidoboronic Acids with Cyclic α -Sulfonylhydrazones. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	13.8	13
75	Pseudokugelförmige Wirtmoleküle: Synthese, Dimerisierung und Keimbildungseffekte; <i>Angewandte Chemie</i> , 1995, 107, 2031-2033.	2.0	12
76	A Very Easy and Stereoselective Synthesis of 6-Chloro-4-morpholino-3,4-dihydro-2H-thiopyrans and 6-Chloro-2,3-dihydro-4H-thiopyran-4-ones. <i>Synlett</i> , 1991, 1991, 487-488.	1.8	11
77	2-Morpholinobutadienes as synthon for the regioselective preparation of 3-Morpholino-1,4-pentadienes and β -hydroxyvinylketones. <i>Tetrahedron Letters</i> , 1989, 30, 5923-5926.	1.4	10
78	Enamines in solid-phase: synthesis and reactivity towards electrophiles. <i>Tetrahedron Letters</i> , 2000, 41, 5683-5687.	1.4	10
79	Tosylhydrazone-Promoted Diastereoselective Intramolecular 1,3-Dipolar Cycloadditions: Synthesis of Tetrahydropyrrolo[3,4-c]pyrazoles. <i>European Journal of Organic Chemistry</i> , 2014, 2014, 1672-1683.	2.4	9
80	Synthesis of Pyrrolidines by a Csp ³ -Csp ³ /Csp ³ -N Transition-Metal-Free Domino Reaction of Boronic Acids with β -Azido- α -Tosylhydrazones. <i>Angewandte Chemie</i> , 2021, 133, 1293-1300.	2.0	9
81	Pd-catalyzed Auto-Tandem Cascades Based on N-Sulfonylhydrazones: Hetero- and Carbocyclization Processes. <i>Synthesis</i> , 2017, 28, 4434-4447.	2.3	8
82	Broadening the Scope of Steroidal Scaffolds: The Umpolung of a Bis-Primary Amine Precatalyst for the Insertion of CO ₂ into Epoxides. <i>Organic Letters</i> , 2020, 22, 6988-6992.	4.6	5
83	Cascade and multicomponent synthesis of structurally diverse 2-(pyrazol-3-yl)pyridines and polysubstituted pyrazoles. <i>Organic and Biomolecular Chemistry</i> , 2020, 18, 1629-1636.	2.8	5
84	Construction of NH-Protected Spiropyrrolidines and Spiroisindolines by [4+1] Cyclizations of β -Azidoboronic Acids with Cyclic α -Sulfonylhydrazones. <i>Angewandte Chemie</i> , 2022, 134, .	2.0	3
85	Asymmetric Synthesis of Cyclic β -Amino Acids via Cycloaddition Reactions. , 2005, , 215-240.		1
86	Catalytic Imino-Diels-Alder Reactions of 2-Aminodienes: A Simple Entry into Structurally Diverse PIPERIC Acid Derivatives.. <i>ChemInform</i> , 2003, 34, no.	0.0	0
87	N-Trialkylsilylimines as Coupling Partners for Pd-Catalyzed C-N Bond-Forming Reactions: One-Step Synthesis of Imines and Azadienes from Aryl and Alkenyl Bromides.. <i>ChemInform</i> , 2004, 35, no.	0.0	0
88	Palladium-Catalyzed Cross-Coupling Reactions of Amines with Alkenyl Bromides: A New Method for the Synthesis of Enamines and Imines.. <i>ChemInform</i> , 2004, 35, no.	0.0	0
89	An Imino-Diels-Alder Route to meso-2,6-Disubstituted-4-piperidones.. <i>ChemInform</i> , 2004, 35, no.	0.0	0
90	Palladium-Catalyzed Alkenyl Amination: From Enamines to Heterocyclic Synthesis. <i>ChemInform</i> , 2006, 37, no.	0.0	0