Vy Maria Dong

List of Publications by Year
in descending order

73 papers	9,016 citations	66343 42 h-index	71685 76 g-index
87 all docs	87 docs citations	87 times ranked	6727 citing authors

#	Article	IF	Citations
1	Catalytic Dehydrogenative Cross-Coupling: Forming Carbonâˆ'Carbon Bonds by Oxidizing Two Carbonâˆ'Hydrogen Bonds. Chemical Reviews, 2011, 111, 1215-1292.	47.7	3,601
2	Pd-catalyzed ortho-arylation of phenylacetamides, benzamides, and anilides with simple arenes using sodium persulfate. Chemical Science, 2010, 1, 331.	7.4	247
3	Stereodivergent Coupling of Aldehydes and Alkynes via Synergistic Catalysis Using Rh and Jacobsenâ€™s Amine. Journal of the American Chemical Society, 2017, 139, 1029-1032.	13.7	234
4	Phthalides by Rhodium-Catalyzed Ketone Hydroacylation. Journal of the American Chemical Society, 2009, 131, 15608-15609.	13.7	221
5	Molecular Recognition and Stabilization of Iminium Ions in Water. Journal of the American Chemical Society, 2006, 128, 14464-14465.	13.7	216
6	Enantioselective Desymmetrization of Cyclopropenes by Hydroacylation. Journal of the American Chemical Society, 2010, 132, 16354-16355.	13.7	215
7	Rh-catalyzed Câ€"C bond cleavage by transfer hydroformylation. Science, 2015, 347, 56-60.	12.6	201
8	Regio- and Enantioselective Intermolecular Hydroacylation: Substrate-Directed Addition of Salicylaldehydes to Homoallylic Sulfides. Journal of the American Chemical Society, 2010, 132, 16330-16333.	13.7	171
9	Rh-Catalyzed Intramolecular Olefin Hydroacylation: Enantioselective Synthesis of Seven- and Eight-Membered Heterocycles. Journal of the American Chemical Society, 2009, 131, 6932-6933.	13.7	168
10	Regioselective Hydroacylation of 1,3-Dienes by Cobalt Catalysis. Journal of the American Chemical Society, 2014, 136, 3772-3775.	13.7	153
11	Rhodium-Catalyzed Enantioselective Hydroamination of Alkynes with Indolines. Journal of the American Chemical Society, 2015, 137, 8392-8395.	13.7	146
12	Nickelâ€Catalyzed Dehydrogenative Crossâ€Coupling: Direct Transformation of Aldehydes into Esters and Amides. Angewandte Chemie - International Edition, 2015, 54, 1312-1315.	13.8	142
13	Rhodium-Catalyzed Hydrofunctionalization: Enantioselective Coupling of Indolines and 1,3-Dienes. Journal of the American Chemical Society, 2017, 139, 1774-1777.	13.7	142
14	Rhodium-Phosphoramidite Catalyzed Alkene Hydroacylation: Mechanism and Octaketide Natural Product Synthesis. Journal of the American Chemical Society, 2012, 134, 15022-15032.	13.7	139
15	Rh-Catalyzed Carbonyl Hydroacylation:â€‰ An Enantioselective Approach to Lactones. Journal of the American Chemical Society, 2008, 130, 2916-2917.	13.7	132
16	Catalytic Hydrothiolation: Regio- and Enantioselective Coupling of Thiols and Dienes. Journal of the American Chemical Society, 2018, 140, 10443-10446.	13.7	132
17	Enantioselective Coupling of Dienes and Phosphine Oxides. Journal of the American Chemical Society, 2018, 140, 16450-16454.	13.7	131
18	Mechanistic Insights into the Rhodium-Catalyzed Intramolecular Ketone Hydroacylation. Journal of the American Chemical Society, 2009, 131, 1077-1091.	13.7	125

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19	From Racemic Alcohols to Enantiopure Amines: Ru-Catalyzed Diastereoselective Amination. Journal of the American Chemical Society, 2014, 136, 12548-12551.	13.7	119
20	Enantioselective hydroacylation of olefins with rhodium catalysts. Chemical Communications, 2014, 50, 13645-13649.	4.1	112
21	Catalytic Hydrothiolation: Counterion-Controlled Regioselectivity. Journal of the American Chemical Society, 2019, 141, 3006-3013.	13.7	108
22	Alkyne Hydroheteroarylation: Enantioselective Coupling of Indoles and Alkynes via Rh-Hydride Catalysis. Journal of the American Chemical Society, 2017, 139, 10641-10644.	13.7	90
23	Tandem Rh-catalysis: decarboxylative Î²-keto acid and alkyne cross-coupling. Chemical Communications, 2016, 52, 5836-5839.	4.1	88
24	Development of a New Lewis Acid-Catalyzed Claisen Rearrangement. Journal of the American Chemical Society, 1999, 121, 9726-9727.	13.7	85
25	Nitrogen-directed ketone hydroacylation: Enantioselective synthesis of benzoxazecinones. Chemical Science, 2011, 2, 407-410.	7.4	84
26	Alkyne Hydroacylation: Switching Regioselectivity by Tandem Ruthenium Catalysis. Journal of the American Chemical Society, 2015, 137, 3157-3160.	13.7	83
27	Intermolecular Hydroamination of 1,3-Dienes To Generate Homoallylic Amines. Journal of the American Chemical Society, 2017, 139, 14049-14052.	13.7	83
28	Cobalt Catalysis for Enantioselective Cyclobutanone Construction. Journal of the American Chemical Society, 2017, 139, 10208-10211.	13.7	82
29	Enantioselective Ketone Hydroacylation Using Noyoriâ€™s Transfer Hydrogenation Catalyst. Journal of the American Chemical Society, 2013, 135, 5553-5556.	13.7	79
30	Diastereodivergent Construction of Bicyclic Î³-Lactones via Enantioselective Ketone Hydroacylation. Journal of the American Chemical Society, 2016, 138, 12013-12016.	13.7	78
31	Ru-catalyzed activation of sp³Câ€“O bonds: O- to N-alkyl migratory rearrangement in pyridines and related heterocycles. Chemical Science, 2011, 2, 544-551.	7.4	72
32	Making Câ€“C Bonds from Carbon Dioxide via Transition-Metal Catalysis. Topics in Catalysis, 2014, 57, 1342-1350.	2.8	71
33	Substrateâ€Directed Hydroacylation: Rhodiumâ€Catalyzed Coupling of Vinylphenols and Nonchelating Aldehydes. Angewandte Chemie - International Edition, 2014, 53, 2455-2459.	13.8	70
34	Catalytic acceptorless dehydrogenations: Ru-Macho catalyzed construction of amides and imines. Tetrahedron, 2014, 70, 4213-4218.	1.9	67
35	Î²-hydroxy ketones prepared by regioselective hydroacylation. Chemical Science, 2012, 3, 355-358.	7.4	64
36	Recognition and Siteâ€Selective Transformation of Monosaccharides by Using Copper(II) Catalysis. Chemistry - A European Journal, 2014, 20, 5013-5018.	3.3	64

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37	Transforming Olefins into <i>Î³</i>,<i>Î´</i>â€Unsaturated Nitriles through Copper Catalysis. Angewandte Chemie - International Edition, 2017, 56, 11589-11593.	13.8	62
38	Catalytic Hydroacylation as an Approach to Homoaldol Products. Organic Letters, 2011, 13, 6216-6219.	4.6	58
39	Rh(I)-Catalyzed Intermolecular Hydroacylation: Enantioselective Cross-Coupling of Aldehydes and Ketoamides. Journal of the American Chemical Society, 2014, 136, 9471-9476.	13.7	57
40	Rh-catalyzed desymmetrization of Î±-quaternary centers by isomerization-hydroacylation. Chemical Science, 2015, 6, 4479-4483.	7.4	57
41	Mechanistic insights into hydroacylation with non-chelating aldehydes. Chemical Science, 2015, 6, 174-180.	7.4	55
42	Enantioselective Addition of Pyrazoles to Dienes**. Angewandte Chemie - International Edition, 2021, 60, 19660-19664.	13.8	48
43	Rhodium-Catalyzed Enantioselective Cycloisomerization to Cyclohexenes Bearing Quaternary Carbon Centers. Journal of the American Chemical Society, 2016, 138, 3310-3313.	13.7	45
44	A regioselectivity switch in Pd-catalyzed hydroallylation of alkynes. Chemical Science, 2019, 10, 6311-6315.	7.4	44
45	Dynamic Kinetic Resolution of Allylic Sulfoxides by Rh-Catalyzed Hydrogenation: A Combined Theoretical and Experimental Mechanistic Study. Journal of the American Chemical Society, 2014, 136, 291-298.	13.7	42
46	Tandem Catalysis: Transforming Alcohols to Alkenes by Oxidative Dehydroxymethylation. Journal of the American Chemical Society, 2018, 140, 10126-10130.	13.7	42
47	Teaching Aldehydes New Tricks Using Rhodium- and Cobalt-Hydride Catalysis. Accounts of Chemical Research, 2021, 54, 1236-1250.	15.6	42
48	Enantioselective Hydrothiolation: Diverging Cyclopropenes through Ligand Control. Journal of the American Chemical Society, 2021, 143, 6176-6184.	13.7	41
49	Dynamic Kinetic Resolution of Aldehydes by Hydroacylation. Angewandte Chemie - International Edition, 2019, 58, 4705-4709.	13.8	33
50	Reducing Challenges in Organic Synthesis with Stereoselective Hydrogenation and Tandem Catalysis. Journal of the American Chemical Society, 2021, 143, 6724-6745.	13.7	33
51	Preparing water-dispersed palladium nanoparticles via polyelectrolyte nanoreactors. Chemical Science, 2010, 1, 772.	7.4	27
52	Silver-catalyzed ring-opening of cyclopropenes: preparation of tertiary Î±-branched allylic amines. Tetrahedron, 2013, 69, 5726-5731.	1.9	27
53	Hydrogenation catalyst generates cyclic peptide stereocentres in sequence. Nature Chemistry, 2018, 10, 968-973.	13.6	24
54	Enantioselective Addition of Î±â€Nitroesters to Alkynes. Angewandte Chemie - International Edition, 2021, 60, 4599-4603.	13.8	19

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55	Enantioselective semireduction of allenes. Nature Communications, 2017, 8, 784.	12.8	18
56	A diverse view of science to catalyse change. Nature Chemistry, 2020, 12, 773-776.	13.6	18
57	Catalytic Alkyne Arylation Using Traceless Directing Groups. Angewandte Chemie - International Edition, 2018, 57, 13598-13602.	13.8	16
58	Rhodium(I)â€Catalyzed Intermolecular Hydroacylation of Î±â€Keto Amides and Isatins with Nonâ€Chelating Aldehydes. Advanced Synthesis and Catalysis, 2015, 357, 2233-2237.	4.3	15
59	Cyclizing Pentapeptides: Mechanism and Application of Dehydrophenylalanine as a Traceless Turn-Inducer. Organic Letters, 2017, 19, 114-117.	4.6	15
60	Dynamic Kinetic Resolution of Aldehydes by Hydroacylation. Angewandte Chemie, 2019, 131, 4753-4757.	2.0	13
61	Synthesis and Biological Activity of Octaketides from the Cytosporone Family. Israel Journal of Chemistry, 2017, 57, 975-981.	2.3	12
62	A Diverse View of Science to Catalyse Change. Journal of the American Chemical Society, 2020, 142, 14393-14396.	13.7	12
63	Transforming Olefins into Î³ ,Î´ â€Unsaturated Nitriles through Copper Catalysis. Angewandte Chemie, 2017, 129, 11747-11751.	2.0	10
64	Enantioselective Addition of Pyrazoles to Dienes**. Angewandte Chemie, 2021, 133, 19812-19816.	2.0	8
65	A Diverse View of Science to Catalyse Change. Angewandte Chemie - International Edition, 2020, 59, 18306-18310.	13.8	7
66	An Enlightening Reactor. ACS Central Science, 2017, 3, 526-527.	11.3	4
67	A diverse view of science to catalyse change. Chemical Science, 2020, 11, 9043-9047.	7.4	4
68	Comparing Apples to Alkanes: Teaching Newman Projections and Conformation by Analogy. Journal of Chemical Education, 2022, 99, 1106-1109.	2.3	3
69	Catalytic Alkyne Arylation Using Traceless Directing Groups. Angewandte Chemie, 2018, 130, 13786-13790.	2.0	2
70	A Diverse View of Science to Catalyse Change. Angewandte Chemie, 2020, 132, 18462-18466.	2.0	2
71	Enantioselective Addition of Î±â€Nitroesters to Alkynes. Angewandte Chemie, 2021, 133, 4649-4653.	2.0	2
72	A diverse view of science to catalyse change: valuing diversity leads to scientific excellence, the progress of science and, most importantly, it is simply the right thing to do. We must value diversity not only in words, but also in actions. Canadian Journal of Chemistry, 2020, 98, 597-600.	1.1	2

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73	Hydroformylation: Alternatives to Rh and Syn-gas. , 2021, , .		0