

Tianning Diao

List of Publications by Year in descending order

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34
papers

2,243
citations

331538

21
h-index

414303

32
g-index

35
all docs

35
docs citations

35
times ranked

1395
citing authors

#	ARTICLE	IF	CITATIONS
1	Mechanisms of Nickel-Catalyzed Cross-Coupling Reactions. Trends in Chemistry, 2019, 1, 830-844.	4.4	329
2	Nickel-Catalyzed Dicarbofunctionalization of Alkenes. ACS Catalysis, 2020, 10, 8542-8556.	5.5	272
3	Mechanisms of Nickel-Catalyzed Coupling Reactions and Applications in Alkene Functionalization. Accounts of Chemical Research, 2020, 53, 906-919.	7.6	261
4	Nickel-Catalyzed Asymmetric Reductive Diarylation of Vinylarenes. Angewandte Chemie - International Edition, 2019, 58, 3198-3202.	7.2	203
5	Mechanism of Ni-Catalyzed Reductive 1,2-Dicarbofunctionalization of Alkenes. Journal of the American Chemical Society, 2019, 141, 17937-17948.	6.6	192
6	Mechanistic Characterization of (Xantphos)Ni(I)-Mediated Alkyl Bromide Activation: Oxidative Addition, Electron Transfer, or Halogen-Atom Abstraction. Journal of the American Chemical Society, 2019, 141, 1788-1796.	6.6	123
7	Diastereoselective Synthesis of Aryl C-glycosides from Glycosyl Esters via C-O Bond Homolysis. Angewandte Chemie - International Edition, 2021, 60, 9433-9438.	7.2	100
8	Ni-catalyzed two-component reductive dicarbofunctionalization of alkenes via radical cyclization. Chemical Communications, 2018, 54, 2558-2561.	2.2	79
9	Bimetallic C-C Bond-Forming Reductive Elimination from Nickel. Journal of the American Chemical Society, 2016, 138, 4779-4786.	6.6	70
10	Ni(I)-Catalyzed Reductive Cyclization of 1,6-Dienes: Mechanism-Controlled trans Selectivity. Chem, 2017, 3, 268-280.	5.8	67
11	Monovalent Nickel-Mediated Radical Formation: A Concerted Halogen-Atom Dissociation Pathway Determined by Electroanalytical Studies. Journal of the American Chemical Society, 2021, 143, 14196-14206.	6.6	64
12	Nickel-Catalyzed Asymmetric Reductive Diarylation of Vinylarenes. Angewandte Chemie, 2019, 131, 3230-3234.	1.6	44
13	Structure and Isotope Effects of the η^2 -Agostic (η^1 -Diimine)Nickel Cation as a Polymerization Intermediate. Angewandte Chemie - International Edition, 2017, 56, 1535-1538.	7.2	43
14	Binuclear, High-Valent Nickel Complexes: Ni-Ni Bonds in Aryl-Halogen Bond Formation. Angewandte Chemie - International Edition, 2017, 56, 3635-3639.	7.2	42
15	Redox Activity of Pyridine-Oxazoline Ligands in the Stabilization of Low-Valent Organonickel Radical Complexes. Journal of the American Chemical Society, 2021, 143, 5295-5300.	6.6	41
16	N-N Bond Forming Reductive Elimination via a Mixed-Valent Nickel(II)-Nickel(III) Intermediate. Angewandte Chemie - International Edition, 2016, 55, 7534-7538.	7.2	37
17	Insertion of CO ₂ Mediated by a (Xantphos)Ni-Alkyl Species. Angewandte Chemie - International Edition, 2019, 58, 13865-13868.	7.2	37
18	Synthesis of C-acyl furanosides via the cross-coupling of glycosyl esters with carboxylic acids. Chemical Science, 2021, 12, 11414-11419.	3.7	34

#	ARTICLE	IF	CITATIONS
19	Reactivity of (bi-Oxazoline)organonickel Complexes and Revision of a Catalytic Mechanism. <i>Journal of the American Chemical Society</i> , 2021, 143, 14458-14463.	6.6	34
20	Experimental Electrochemical Potentials of Nickel Complexes. <i>Synlett</i> , 2021, 32, 1606-1620.	1.0	33
21	Nickel-Catalyzed Reductive Cycloisomerization of Enynes with CO ₂ . <i>Journal of Organic Chemistry</i> , 2017, 82, 6895-6903.	1.7	31
22	Structural Characterization of η^2 -Agostic Bonds in Pd-Catalyzed Polymerization. <i>Organometallics</i> , 2017, 36, 4099-4102.	1.1	21
23	Diastereoselective Synthesis of Aryl α -Glycosides from Glycosyl Esters via C=O Bond Homolysis. <i>Angewandte Chemie</i> , 2021, 133, 9519-9524.	1.6	18
24	Asymmetric Reductive Dicarbofunctionalization of Alkenes via Nickel Catalysis. <i>Synlett</i> , 2020, 31, 1443-1447.	1.0	14
25	Binuclear, High-Valent Nickel Complexes: Ni ^{IV} Ni Bonds in Aryl-Halogen Bond Formation. <i>Angewandte Chemie</i> , 2017, 129, 3689-3693.	1.6	13
26	N ³ -N Bond Forming Reductive Elimination via a Mixed-Valent Nickel(II)-Nickel(III) Intermediate. <i>Angewandte Chemie</i> , 2016, 128, 7660-7664.	1.6	9
27	Synthesis of lactate derivatives via reductive radical addition to η^2 -oxyacrylates. <i>Tetrahedron</i> , 2019, 75, 4180-4185.	1.0	8
28	Depolymerization of Lignin via a Microscopic Reverse Biosynthesis Pathway. <i>ACS Catalysis</i> , 2022, 12, 2532-2539.	5.5	8
29	Structure and Isotope Effects of the η^2 - α -H Agostic (η^2 -Diimine)Nickel Cation as a Polymerization Intermediate. <i>Angewandte Chemie</i> , 2017, 129, 1557-1560.	1.6	7
30	Strategies for Promoting Reductive Elimination of Bi- and Bis-Oxazoline Ligated Organonickel Complexes. <i>Organometallics</i> , 2022, 41, 1748-1753.	1.1	4
31	Insertion of CO ₂ Mediated by a (Xantphos)Ni ^I -Alkyl Species. <i>Angewandte Chemie</i> , 2019, 131, 14003-14006.	1.6	3
32	The Power of Organotransition Metal Catalysis in Synthesizing Organic Molecules. <i>Organometallics</i> , 2021, 40, 2179-2181.	1.1	1
33	Nickel-Carbon σ -Bonded Complexes. , 2022, , 271-356.		1
34	Alkene remote functionalization by a well-defined nickel hydride. <i>Chem Catalysis</i> , 2022, 2, 425-426.	2.9	0