

Elizabeth R Jarvo

List of Publications by Year in descending order

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53
papers

3,558
citations

147566

31
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138251

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docs citations

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times ranked

2402
citing authors

#	ARTICLE	IF	CITATIONS
1	Stereospecific Nickel-Catalyzed Cross-Coupling Reactions of Benzylic Ethers and Esters. <i>Accounts of Chemical Research</i> , 2015, 48, 2344-2353.	7.6	236
2	Retention or Inversion in Stereospecific Nickel-Catalyzed Cross-Coupling of Benzylic Carbamates with Arylboronic Esters: Control of Absolute Stereochemistry with an Achiral Catalyst. <i>Journal of the American Chemical Society</i> , 2013, 135, 3303-3306.	6.6	215
3	A Biomimetic Approach to Asymmetric Acyl Transfer Catalysis. <i>Journal of the American Chemical Society</i> , 1999, 121, 11638-11643.	6.6	213
4	Stereospecific and stereoconvergent cross-couplings between alkyl electrophiles. <i>Nature Reviews Chemistry</i> , 2017, 1, .	13.8	206
5	Stereospecific Nickel-Catalyzed Cross-Coupling Reactions of Alkyl Ethers: Enantioselective Synthesis of Diarylethanes. <i>Journal of the American Chemical Society</i> , 2011, 133, 389-391.	6.6	204
6	Synthesis of Enantioenriched Triarylmethanes by Stereospecific Cross-Coupling Reactions. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 7790-7793.	7.2	190
7	Minimal Acylase-Like Peptides. Conformational Control of Absolute Stereospecificity. <i>Journal of Organic Chemistry</i> , 1998, 63, 6784-6785.	1.7	142
8	Stereospecific Nickel-Catalyzed Cross-Coupling Reactions of Alkyl Grignard Reagents and Identification of Selective Anti-Breast-Cancer Agents. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 2422-2427.	7.2	138
9	Functional-Group-Tolerant, Nickel-Catalyzed Cross-Coupling Reaction for Enantioselective Construction of Tertiary Methyl-Bearing Stereocenters. <i>Journal of the American Chemical Society</i> , 2013, 135, 9083-9090.	6.6	130
10	Asymmetric transition metal-catalyzed cross-coupling reactions for the construction of tertiary stereocenters. <i>Tetrahedron</i> , 2013, 69, 5799-5817.	1.0	116
11	Enantiospecific Intramolecular Heck Reactions of Secondary Benzylic Ethers. <i>Journal of the American Chemical Society</i> , 2014, 136, 7825-7828.	6.6	115
12	Traceless Directing Group for Stereospecific Nickel-Catalyzed Alkyl-Alkyl Cross-Coupling Reactions. <i>Organic Letters</i> , 2012, 14, 4293-4296.	2.4	113
13	Mechanism and Origins of Ligand-Controlled Stereoselectivity of Ni-Catalyzed Suzuki-Miyaura Coupling with Benzylic Esters: A Computational Study. <i>Journal of the American Chemical Society</i> , 2017, 139, 12994-13005.	6.6	99
14	Intra- and Intermolecular Nickel-Catalyzed Reductive Cross-Electrophile Coupling Reactions of Benzylic Esters with Aryl Halides. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 6730-6733.	7.2	84
15	Diaryl and Heteroaryl Sulfides: Synthesis via Sulfenyl Chlorides and Evaluation as Selective Anti-Breast-Cancer Agents. <i>Journal of Organic Chemistry</i> , 2014, 79, 1947-1953.	1.7	82
16	Stereospecific Intramolecular Reductive Cross-Electrophile Coupling Reactions for Cyclopropane Synthesis. <i>Journal of the American Chemical Society</i> , 2015, 137, 9760-9763.	6.6	77
17	Titanium-Mediated Amination of Grignard Reagents Using Primary and Secondary Amines. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 8325-8328.	7.2	75
18	Enantioselective Propargylation and Allenylation Reactions of Ketones and Imines. <i>Journal of Organic Chemistry</i> , 2013, 78, 11629-11636.	1.7	75

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19	Stereospecific Cross-Coupling Reactions of Aryl-Substituted Tetrahydrofurans, Tetrahydropyrans, and Lactones. <i>Journal of the American Chemical Society</i> , 2014, 136, 14951-14958.	6.6	75
20	Enantioselective silver-catalyzed propargylation of imines. <i>Chemical Science</i> , 2011, 2, 807.	3.7	70
21	Catalytic Umpolung Allylation of Aldehydes by η^3 -Allylpalladium Complexes Containing Bidentate N-Heterocyclic Carbene Ligands. <i>Organometallics</i> , 2007, 26, 4863-4865.	1.1	69
22	Nickel-Catalyzed Cross-Electrophile Coupling of Alkyl Fluorides: Stereospecific Synthesis of Vinylcyclopropanes. <i>Journal of the American Chemical Society</i> , 2016, 138, 14006-14011.	6.6	61
23	Palladium-Catalyzed Conjugate Allylation Reactions of $\hat{1},\hat{2}$ -Unsaturated <i>N</i> -Acylpyrroles. <i>Organic Letters</i> , 2008, 10, 4743-4746.	2.4	55
24	Palladium-Catalyzed Cascade Reaction for the Synthesis of Substituted Isoindolines. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 4459-4462.	7.2	55
25	Decarboxylative Alkyl-Alkyl Cross-Coupling Reactions. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 11340-11342.	7.2	52
26	Silver-Catalyzed Enantioselective Propargylation Reactions of <i>N</i> -Sulfonylketimines. <i>Organic Letters</i> , 2015, 17, 5340-5343.	2.4	51
27	Nickel-Catalyzed Alkyl-Alkyl Cross-Electrophile Coupling Reaction of 1,3-Dimesylates for the Synthesis of Alkylcyclopropanes. <i>Journal of the American Chemical Society</i> , 2020, 142, 5017-5023.	6.6	47
28	A Unified Explanation for Chemoselectivity and Stereospecificity of Ni-Catalyzed Kumada and Cross-Electrophile Coupling Reactions of Benzylic Ethers: A Combined Computational and Experimental Study. <i>Journal of the American Chemical Society</i> , 2019, 141, 5835-5855.	6.6	41
29	Silver-Catalyzed Allenylation and Enantioselective Propargylation Reactions of Ketones. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 4414-4417.	7.2	37
30	Palladium-Catalyzed Annulation Reactions for Diastereoselective Cyclopentene Synthesis. <i>Organic Letters</i> , 2011, 13, 4858-4861.	2.4	29
31	Stereospecific Nickel-Catalyzed Cross-Coupling Reactions of Benzylic Ethers with Isotopically-Labeled Grignard Reagents. <i>Organic Process Research and Development</i> , 2015, 19, 1356-1359.	1.3	28
32	Selective Cross-Electrophile Coupling by Dual Catalysis. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 15618-15620.	7.2	25
33	Conjugate allylation reactions of alkylidene malononitriles mediated by NHC-ligated palladium catalysts. <i>Tetrahedron</i> , 2009, 65, 3197-3201.	1.0	22
34	Stereochemistry of Transmetalation of Alkylboranes in Nickel-Catalyzed Alkyl-Alkyl Cross-Coupling Reactions. <i>Journal of Organic Chemistry</i> , 2011, 76, 7573-7576.	1.7	22
35	Selective synthesis of either enantiomer of an anti-breast cancer agent via a common enantioenriched intermediate. <i>Tetrahedron Letters</i> , 2015, 56, 3486-3488.	0.7	19
36	Identification of the Active Catalyst for Nickel-Catalyzed Stereospecific Kumada Coupling Reactions of Ethers. <i>Chemistry - A European Journal</i> , 2020, 26, 3044-3048.	1.7	16

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37	Nickel-Catalyzed Directed Hydroarylation of Alkynes with Boronic Acids. <i>European Journal of Organic Chemistry</i> , 2019, 2019, 184-187.	1.2	15
38	Engaging Sulfonamides: Intramolecular Cross-Electrophile Coupling Reaction of Sulfonamides with Alkyl Chlorides. <i>Journal of Organic Chemistry</i> , 2020, 85, 1775-1793.	1.7	15
39	Decarboxylierende Alkyl-Alkyl-Kreuzkupplungen. <i>Angewandte Chemie</i> , 2016, 128, 11510-11512.	1.6	14
40	Regioselective Silver-Mediated Kondakov-Darzens Olefin Acylation. <i>Chemistry - A European Journal</i> , 2011, 17, 12912-12916.	1.7	13
41	Silver-Catalyzed, Manganese-Mediated Allylation and Benzoylation Reactions of Aldehydes and Ketones. <i>European Journal of Organic Chemistry</i> , 2008, 2008, 5507-5510.	1.2	12
42	Intra- and Intermolecular Nickel-Catalyzed Reductive Cross-Electrophile Coupling Reactions of Benzylic Esters with Aryl Halides. <i>Angewandte Chemie</i> , 2016, 128, 6842-6845.	1.6	12
43	Keeping Track of the Electrons. <i>Accounts of Chemical Research</i> , 2018, 51, 567-572.	7.6	11
44	Outer-Sphere Control for Divergent Multicatalysis with Common Catalytic Moieties. <i>Journal of Organic Chemistry</i> , 2019, 84, 1664-1672.	1.7	7
45	Nickel-Catalyzed Cross-Electrophile Coupling of the Difluoromethyl Group for Fluorinated Cyclopropane Synthesis. <i>Synlett</i> , 2021, 32, 1525-1530.	1.0	7
46	Nickel-Catalyzed Domino Cross-Electrophile Coupling Dicarbofunctionalization Reaction To Afford Vinylcyclopropanes. <i>ACS Catalysis</i> , 2021, 11, 14369-14380.	5.5	5
47	Nickel-Catalyzed Hydrogenolysis and Conjugate Addition of 2-(Hydroxymethyl)pyridines via Organozinc Intermediates. <i>Organic Letters</i> , 2017, 19, 6304-6307.	2.4	4
48	Harnessing C=O Bonds in Stereoselective Cross-Coupling and Cross-Electrophile Coupling Reactions. <i>Synlett</i> , 2021, 32, 1151-1156.	1.0	4
49	Ligand-Based Control of Nickel Catalysts: Switching Chemoselectivity from One-Electron to Two-Electron Pathways in Competing Reactions of 4-Halotetrahydropyrans. <i>Organic Letters</i> , 2022, 24, 5003-5008.	2.4	4
50	Nitroxyl Surprise: A Simple Amine Additive Revealed as Copper's Co-Catalyst in the Aerobic Oxidation of Alcohols. <i>ACS Central Science</i> , 2017, 3, 272-274.	5.3	3
51	Stereospecific Cross-Coupling Reactions Provide Conformationally-Biased Arylalkanes with Anti-Leukemia Activity. <i>Israel Journal of Chemistry</i> , 2020, 60, 402-405.	1.0	2
52	Nickel-Catalyzed Kumada Cross-Coupling Reactions of Benzylic Sulfonamides. <i>Molecules</i> , 2021, 26, 5947.	1.7	1
53	C-C Bond Formation Through Cross-Electrophile Coupling Reactions. , 2022, , 89-119.		1