Ilan Marek

List of Publications by Year
in descending order

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225 papers	11,528 citations	25034 57 h-index	39675 94 g-index

295 all docs	295 docs citations	295 times ranked	4949 citing authors

#	Article	IF	Citations
1	Enantioselective synthesis of all-carbon quaternary stereogenic centers in acyclic systems. Chemical Communications, 2011, 47, 4593.	4.1	616
2	Remote functionalization through alkene isomerization. Nature Chemistry, 2016, 8, 209-219.	13.6	478
3	Walking Metals for Remote Functionalization. ACS Central Science, 2018, 4, 153-165.	11.3	398
4	Selective Carbonâ€“Carbon Bond Cleavage for the Stereoselective Synthesis of Acyclic Systems. Angewandte Chemie - International Edition, 2015, 54, 414-429.	13.8	291
5	All-Carbon Quaternary Stereogenic Centers in Acyclic Systems through the Creation of Several Câ€“C Bonds per Chemical Step. Journal of the American Chemical Society, 2014, 136, 2682-2694.	13.7	279
6	Enantiomerically Enriched Cyclopropene Derivatives: Versatile Building Blocks in Asymmetric Synthesis. Angewandte Chemie - International Edition, 2007, 46, 7364-7376.	13.8	236
7	Creation of quaternary stereocenters in carbonyl allylation reactions. Chemical Communications, 2007, , 1683-1691.	4.1	224
8	Merging allylic carbonâ€“hydrogen and selective carbonâ€“carbon bond activation. Nature, 2014, 505, 199-203.	27.8	207
9	Selectivity in Metalâ€Catalyzed Carboni£¿Carbon Bond Cleavage of Alkylidenecyclopropanes. Chemistry - A European Journal, 2010, 16, 9712-9721.	3.3	198
10	Forming all-carbon quaternary stereogenic centres in acyclic systems from alkynes. Nature, 2012, 490, 522-526.	27.8	180
11	A unique approach to aldol products for the creation of all-carbon quaternary stereocentres. Nature Chemistry, 2009, 1, 128-132.	13.6	175
12	Asymmetric Preparation of Polysubstituted Cyclopropanes Based on Direct Functionalization of Achiral Three-Membered Carbocycles. Chemical Reviews, 2018, 118, 8415-8434.	47.7	163
13	Merging Câ€“H and Câ€“C bond cleavage in organic synthesis. Nature Reviews Chemistry, 2017, 1, .	30.2	145
14	Copper mediated carbometalation reactions. Chemical Society Reviews, 2016, 45, 4552-4566.	38.1	137
15	Enantioselective Carbometalation of Cinnamyl Derivatives: New Access to Chiral Disubstituted Cyclopropanesâ€" Configurational Stability of Benzylic Organozinc Halides. Chemistry - A European Journal, 1999, 5, 2055-2068.	3.3	135
16	Mechanistic aspects of the formation of chiral allenes from propargylic ethers and organocopper reagents. Journal of the American Chemical Society, 1990, 112, 8042-8047.	13.7	134
17	Synthesis and Reactivity of sp2 Geminated Organobismetallic Derivatives. Chemical Reviews, 2000, 100, 2887-2900.	47.7	133
18	Creating Stereocenters within Acyclic Systems by Câ€“C Bond Cleavage of Cyclopropanes. Chemical Reviews, 2021, 121, 140-161.	47.7	131

#	Article	IF	Citations
19	A unique Pd-catalysed Heck arylation as a remote trigger for cyclopropane selective ring-opening. Nature Communications, 2017, 8, 14200.	12.8	125
20	Fluoroform: an Efficient Precursor for the Trifluoromethylation of Aldehydes. Tetrahedron, 2000, 56, 275-283.	1.9	119
21	Stereocontrolled Formation of Several Carbonâ€“Carbon Bonds in Acyclic Systems. Chemical Reviews, 2015, 115, 9175-9206.	47.7	119
22	Asymmetric Copper-Catalyzed Carbozincation of Cyclopropenes en Route to the Formation of Diastereo- and Enantiomerically Enriched Polysubstituted Cyclopropanes. Journal of the American Chemical Society, 2015, 137, 15414-15417.	13.7	107
23	Asymmetric Copperâ€Catalyzed Carbomagnesiation of Cyclopropenes. Angewandte Chemie - International Edition, 2017, 56, 6783-6787.	13.8	106
24	Diastereoselective syn or anti opening of propargylic epoxides. Synthesis of Î±-allenic alcohols. Tetrahedron, 1991, 47, 1677-1696.	1.9	105
25	Fluoroform: an efficient precursor for the trifluoromethylation of aldehydes. Tetrahedron Letters, 1998, 39, 2973-2976.	1.4	99
26	New Multicomponent Approach for the Creation of Chiral Quaternary Centers in the Carbonyl Allylation Reactions. Journal of the American Chemical Society, 2006, 128, 4642-4649.	13.7	98
27	Enantiomerically Pure Cyclopropenylcarbinols as a Source of Chiral Alkylidenecyclopropane Derivatives. Angewandte Chemie - International Edition, 2006, 45, 3963-3965.	13.8	95
28	Stereodefined acyclic trisubstituted metal enolates towards the asymmetric formation of quaternary carbon stereocentres. Chemical Communications, 2014, 50, 12597-12611.	4.1	95
29	Enantioselective carbometallation of unactivated olefins. Journal of the Chemical Society Perkin Transactions 1, 1999, , 535-544.	0.9	93
30	Synthesis of Enantioenriched Vicinal Tertiary and Quaternary Carbon Stereogenic Centers within an Acyclic Chain. Angewandte Chemie - International Edition, 2020, 59, 36-49.	13.8	93
31	Efficient and stereodivergent synthesis of unsaturated acyclic fragments bearing contiguous stereogenic elements. Nature Chemistry, 2018, 10, 1164-1170.	13.6	88
32	Enantioselective Construction of Acyclic Quaternary Carbon Stereocenters: Palladium-Catalyzed Decarboxylative Allylic Alkylation of Fully Substituted Amide Enolates. Journal of the American Chemical Society, 2017, 139, 9615-9620.	13.7	87
33	Alkene Isomerization through Allylmetals as a Strategic Tool in Stereoselective Synthesis. ACS Catalysis, 2020, 10, 5793-5804.	11.2	83
34	Hydroformylation Reaction of Alkylidenecyclopropane Derivatives: A New Pathway for the Formation of Acyclic Aldehydes Containing Quaternary Stereogenic Carbons. Journal of the American Chemical Society, 2010, 132, 4066-4067.	13.7	82
35	Sp3 organozinc carbenoid homologation in organic synthesis. Tetrahedron, 2002, 58, 9463-9475.	1.9	81
36	Diastereodivergent Carbometalation/Oxidation/Selective Ring Opening: Formation of Allâ€Carbon Quaternary Stereogenic Centers in Acyclic Systems. Angewandte Chemie - International Edition, 2013, 52, 5333-5337.	13.8	79

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37	Four-Component Reactions for a New Diastereoselective Synthesis of Chiral Quaternary Centers. Journal of the American Chemical Society, 2003, 125, 11776-11777.	13.7	78
38	Stereoselective Preparation of Dienyl Zirconocene Complexes via a Tandem Allylic Câ^'H Bond Activation-Elimination Sequence. Journal of the American Chemical Society, 2003, 125, 13258-13264.	13.7	77
39	Highly Diastereoselective Preparation of Homoallylic Alcohols Containing Two Contiguous Quaternary Stereocenters in Acyclic Systems from Simple Terminal Alkynes. Journal of the American Chemical Society, 2010, 132, 5588-5589.	13.7	75
40	Metalâ€Catalyzed Ringâ€Opening of Alkylidenecyclopropanes: New Access to Building Blocks with an Acyclic Quaternary Stereogenic Center. Chemistry - A European Journal, 2010, 16, 774-778.	3.3	74
41	Oneâ€Pot Zincâ€Promoted Asymmetric Alkynylation/Brookâ€Type Rearrangement/Eneâ€"Allene Cyclization: Highly Selective Formation of Three New Bonds and Two Stereocenters in Acyclic Systems. Angewandte Chemie - International Edition, 2013, 52, 13717-13721.	13.8	74
42	Asymmetric Catalytic Preparation of Polysubstituted Cyclopropanol and Cyclopropylamine Derivatives. Angewandte Chemie - International Edition, 2018, 57, 1543-1546.	13.8	74
43	Rhodiumâ€Catalyzed Arylation of Cyclopropenes Based on Asymmetric Direct Functionalization of Threeâ€Membered Carbocycles. Angewandte Chemie - International Edition, 2018, 57, 3682-3686.	13.8	69
44	Electrophilic Amination: The Case of Nitrenoids. Chemistry - A European Journal, 2015, 21, 5278-5300.	3.3	68
45	From Vinyl Sulfides, Sulfoxides, and Sulfones to Vinyl Transition Metal Complexes. Angewandte Chemie - International Edition, 2002, 41, 1410-1413.	13.8	67
46	Cyclopropenylcarbinol Derivatives as New Versatile Intermediates in Organic Synthesis: Application to the Formation of Enantiomerically Pure Alkylidenecyclopropane Derivatives. Chemistry - A European Journal, 2009, 15, 8449-8464.	3.3	67
47	Modulable and Highly Diastereoselective Carbometalations of Cyclopropenes. Chemistry - A European Journal, 2014, 20, 1038-1048.	3.3	67
48	New Approach to the Stereoselective Synthesis of Metalated Dienes via an Isomerizationâ^'Elimination Sequence. Journal of the American Chemical Society, 2002, 124, 10282-10283.	13.7	65
49	Remote functionalization of hydrocarbons with reversibility enhanced stereocontrol. Chemical Science, 2015, 6, 2770-2776.	7.4	65
50	The Renaissance of Zinc Carbenoid in Stereoselective Synthesis in Acyclic Systems. Organometallics, 2013, 32, 942-950.	2.3	64
51	Diastereodivergent Synthesis of Enantiomerically Pure Homoallylic Amine Derivatives Containing Quaternary Carbon Stereocenters. Angewandte Chemie - International Edition, 2007, 46, 9291-9294.	13.8	63
52	Preparation of New Functionalized Cyclopropylmagnesium Reagents We thank the Deutsche		

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55	Asymmetric Copperâ€Catalyzed Carbomagnesiation of Cyclopropenes. Angewandte Chemie, 2017, 129, 6887-6891.	2.0	60
56	Stereoselective Preparation ofEVinyl Zirconium Derivatives fromEorZEnol Ethers. Journal of Organic Chemistry, 2000, 65, 7218-7220.	3.2	59
57	From vinyl sulfides, sulfoxides and sulfones to vinyl zirconocene derivatives. Tetrahedron, 2004, 60, 1329-1337.	1.9	59
58	Stereodivergent Carbometalation Reactions of Cyclopropenylcarbinol Derivatives. Organic Letters, 2007, 9, 2569-2571.	4.6	58
59	Enantio- and Diastereoselective Tandem Zn-Promoted Brook Rearrangement/Eneâ€'Allene Carbocyclization Reaction. Organic Letters, 2009, 11, 1853-1856.	4.6	57
60	Metal-catalyzed rearrangement of enantiomerically pure alkylidenecyclopropane derivatives as a new access to cyclobutenes possessing quaternary stereocenters. Chemical Communications, 2009, , 5760.	4.1	57
61	Carboxylate Assistance for Catalyzed Hydroarylations of Methylenecyclopropanes. Organic Letters, 2013, 15, 4482-4484.	4.6	55
62	Cyclopropene Derivatives as Precursors to Enantioenriched Cyclopropanols and nâ€Butenals Possessing Quaternary Carbon Stereocenters. Angewandte Chemie - International Edition, 2015, 54, 12345-12348.	13.8	55
63	Preparation and Reactions of Functionalized Magnesium Carbenoids. Synlett, 1999, 1999, 1820-1822.	1.8	54
64	Brook Rearrangement as Trigger for Carbene Generation: Synthesis of Stereodefined and Fully Substituted Cyclobutenes. Journal of the American Chemical Society, 2017, 139, 8364-8370.	13.7	53
65	Tandem Hydroalumination/Cu-Catalyzed Asymmetric Vinyl Metalation as a New Access to Enantioenriched Vinylcyclopropane Derivatives. Organic Letters, 2017, 19, 3970-3973.	4.6	52
66	Are allenes formed from propargylic ethers through a or displacement ?. Tetrahedron Letters, 1986, 27, 5499-5502.	1.4	50
67	Unsaturated Fatty Alcohol Derivatives as a Source of Substituted Allylzirconocene. Angewandte Chemie - International Edition, 2006, 45, 465-468.	13.8	50
68	Pd-Catalyzed Enantioselective Hydroalkynylation of Cyclopropenes. ACS Catalysis, 2020, 10, 1289-1293.	11.2	50
69	An Efficient, Facile, and General Stereoselective Synthesis of Heterosubstituted Alkylidenecyclopropanes. Angewandte Chemie - International Edition, 2007, 46, 8039-8042.	13.8	49
70	Regio- and stereoselective carbometallation reactions of N-alkynylamides and sulfonamides. Beilstein Journal of Organic Chemistry, 2013, 9, 526-532.	2.2	49
71	A Shift in Retrosynthetic Paradigm. Chemistry - A European Journal, 2008, 14, 7460-7468.	3.3	48
72	Diastereo- and enantioselective copper catalyzed hydroallylation of disubstituted cyclopropenes. Chemical Science, 2018, 9, 6503-6508.	7.4	47

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73	Catalytic Enantioselective Cyclopropenation of Internal Alkynes: Access to Difluoromethylated Threeâ€Membered Carbocycles. Angewandte Chemie - International Edition, 2019, 58, 18191-18196.	13.8	47
74	Brook Rearrangement as a Trigger for the Ring Opening of Strained Carbocycles. Angewandte Chemie - International Edition, 2016, 55, 714-718.	13.8	46
75	Classical and Novel TSPO Ligands for the Mitochondrial TSPO Can Modulate Nuclear Gene Expression: Implications for Mitochondrial Retrograde Signaling. International Journal of Molecular Sciences, 2017, 18, 786.	4.1	46
76	Nucleophilic Substitution at Quaternary Carbon Stereocenters. Journal of the American Chemical Society, 2020, 142, 5543-5548.	13.7	46
77	Stereodefined trisubstituted enolates as a unique entry to all-carbon quaternary stereogenic centers in acyclic systems. Nature Protocols, 2013, 8, 749-754.	12.0	45
78	A Zirconium Promenade - An Efficient Tool in Organic Synthesis. Synlett, 2006, 2006, 0501-0514.	1.8	43
79	Regio- and Stereoselective Synthesis of Novel (E)-1-Alkenyl Carbamate via Carbocupration Reaction. Organic Letters, 2003, 5, 5087-5089.	4.6	42
80	New Allene Synthesis via Carbocuprationâ^'Zinc Carbenoid Homologation and Î²-Elimination Sequence. Organic Letters, 2000, 2, 2849-2852.	4.6	40
81	Carbocupration/Zinc Carbenoid Homologation and Î²-Elimination Reactions for a New Synthesis of Allenes â^' Application to the Enantioselective Synthesis of Chiral Allenes by Deracemization of sp3-Organometallic Derivatives. European Journal of Organic Chemistry, 2002, 2002, 4151-4158.	2.4	40
82	Intramolecular Carbozincation of Unactivated Alkenes Occurs through a Zinc Radical Transfer Mechanism. Journal of the American Chemical Society, 2007, 129, 15405-15409.	13.7	39
83	Synthesis and Stereochemical Assignment of Cryptoâ€Optically Active ²H₆â€Neopentane. Angewandte Chemie - International Edition, 2015, 54, 13106-13109.	13.8	39
84	Diastereodivergent combined carbometalation/zinc homologation/Câ€“C fragmentation reaction as an efficient tool to prepare acyclic allylic quaternary carbon stereocenters. Chemical Science, 2016, 7, 5989-5994.	7.4	39
85	Metalâ€Catalyzed Remote Functionalization of Ï‰â€Ene Unsaturated Ethers: Towards Functionalized Vinyl Species. Angewandte Chemie - International Edition, 2018, 57, 8012-8016.	13.8	39
86	Combined Carbometalationâ€“Zinc Homologationâ€“Allylation Reactions as a New Approach for Alkoxyallylation of Aldehydes. Organic Letters, 2011, 13, 3604-3607.	4.6	38
87	Oxenoids in organic synthesis. Organic and Biomolecular Chemistry, 2014, 12, 1535-1546.	2.8	38
88	Remote Fluorination and Fluoroalkyl(thiol)ation Reactions. Chemistry - A European Journal, 2020, 26, 15378-15396.	3.3	38
89	Stereoselective Functionalization of Cyclopropane Derivatives Using Bromine/Magnesium and Sulfoxide/Magnesium Exchange Reactions. Organic Letters, 2005, 7, 3789-3791.	4.6	37
90	Gold(<scp>i</scp>)-catalyzed cycloisomerization of vinylidenecyclopropane-enes via carbene or non-carbene processes. Chemical Science, 2015, 6, 5519-5525.	7.4	36

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91	A Tandem Iridium-Catalyzed â€œChain-Walkingâ€/Cope Rearrangement Sequence. ACS Catalysis, 2019, 9, 2400-2406.	11.2	36
92	2-Cl-MGV-1 Ameliorates Apoptosis in the Thalamus and Hippocampus and Cognitive Deficits After Cortical Infarct in Rats. Stroke, 2017, 48, 3366-3374.	2.0	35
93	Regio- and Stereoselective Copper-Catalyzed Carbozincation Reactions of Alkynyl Sulfoximines and Sulfones. Organic Letters, 2007, 9, 1259-1261.	4.6	34
94	Formation of Three New Bonds and Two Stereocenters in Acyclic Systems by Zinc-Mediated Enantioselective Alkynylation of Acylsilanes, Brook Rearrangement, and Ene-Allene Carbocyclization Reactions. Journal of Organic Chemistry, 2014, 79, 12122-12135.	3.2	34
95	Goldâ€•and Silverâ€Catalyzed Intramolecular Cyclizations of Indolylcyclopropenes for the Divergent Synthesis of Azepinoindoles and Spiroindoline Piperidines. ChemCatChem, 2015, 7, 595-600.	3.7	34
96	Asymmetric Catalytic Preparation of Polysubstituted Cyclopropanol and Cyclopropylamine Derivatives. Angewandte Chemie, 2018, 130, 1559-1562.	2.0	34
97	First transfer of chirality in the Fritsch-Buttenberg-Wiechell rearrangement, via zinc carbenoids: A migration with retention of configuration. Tetrahedron Letters, 1999, 40, 1899-1902.	1.4	33
98	Organometallic Chemistry of Titanocene and Zirconocene Complexes with Bis(trimethylsilyl)acetylene as the Basis for Applications in Organic Synthesis. , 0, , 355-389.		33
99	The Preparation of Organolithium Reagents and Intermediates. , 0, , 435-493.		33
100	Convergent Preparation of Enantiomerically Pure Polyalkylated Cyclopropane Derivatives. Angewandte Chemie - International Edition, 2008, 47, 6865-6868.	13.8	33
101	Axial Preferences in Allylations via the Zimmermanâ€“Traxler Transition State. Chemistry - A European Journal, 2011, 17, 8000-8004.	3.3	33
102	Stereospecific nucleophilic substitution at tertiary and quaternary stereocentres. Chemical Science, 2020, 11, 9378-9385.	7.4	33
103	New Tandem Zn-Promoted Brook Rearrangement/Eneâ^'Allene Carbocyclization Reactions. Organic Letters, 2005, 7, 5313-5316.	4.6	32
104	Stereodefined Acyclic Polysubstituted Silyl Ketene Aminals: Asymmetric Formation of Aldol Products with Quaternary Carbon Stereocenters. Angewandte Chemie - International Edition, 2015, 54, 14393-14397.	13.8	32
105	Cobalt-Catalyzed Diastereoselective and Enantioselective Hydrosilylation of Achiral Cyclopropenes. Organic Letters, 2020, 22, 4914-4918.	4.6	32
106	Titanium(II) Alkoxides in Organic Synthesis. , 0, , 319-354.		31
107	Catalytic Asymmetric and Stereoselective Synthesis of Vinylcyclopropanes. Synlett, 2002, 2002, 0423-0426.	1.8	31
108	Zinc Homologationâ€“Elimination Reaction of Î±â€Sulfinyl Carbanions as a New Route to Olefins. European Journal of Organic Chemistry, 2008, 2008, 4924-4931.	2.4	31

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109	Palladium-catalyzed oxidative cyclization of aniline-tethered alkylidenecyclopropanes with O₂: a facile protocol to selectively synthesize 2- and 3-vinylindoles. Chemical Communications, 2017, 53, 216-219.	4.1	30
110	Regioâ€•and Diastereoselective Copperâ€Catalyzed Carbomagnesiation for the Synthesis of Pentaâ€•and Hexaâ€Substituted Cyclopropanes. Angewandte Chemie - International Edition, 2021, 60, 11804-11808.	13.8	30
111	Î±-Sulfinyl Carbanions as A New Source of Olefins. Organic Letters, 2004, 6, 621-623.	4.6	29
112	Allyl Zincation of Vinyl Metals:â€‰ A Computational Study. Organic Letters, 1999, 1, 929-931.	4.6	28
113	Additionâ€“Î²-elimination: a new method for the preparation of organometallic compounds. Journal of Organometallic Chemistry, 2001, 624, 26-33.	1.8	27
114	Improved Preparation of Secondary Zinc Iodides by 1,2-Migration of sp3 Carbenoids. Synlett, 2001, 2001, 0818-0820.	1.8	27
115	Zirconacyclopentadienes in Organic Synthesis. , 0, , 50-85.		27
116	Convenient Route to 2-(Trialkylstannyl)cyclopropylamines and Their Application in Palladium-Catalyzed Cross-Coupling Reactions. European Journal of Organic Chemistry, 2004, 2004, 631-635.	2.4	27
117	Diastereoselective Reduction of Cyclopropenylcarbinol:â€‰ New Access to anti-Cyclopropylcarbinol Derivatives. Organic Letters, 2004, 6, 341-343.	4.6	27
118	Zirconocene-Mediated Selective Câ€“C Bond Cleavage of Strained Carbocycles: Scope and Mechanism. Journal of Organic Chemistry, 2018, 83, 3497-3515.	3.2	27
119	Highly E-Selective, Stereoconvergent Nickel-Catalyzed Suzukiâ€“Miyaura Cross-Coupling of Alkenyl Ethers. Organic Letters, 2019, 21, 2913-2917.	4.6	27
120	Quinazoline-based tricyclic compounds that regulate programmed cell death, induce neuronal differentiation, and are curative in animal models for excitotoxicity and hereditary brain disease. Cell Death Discovery, 2015, 1, 15027.	4.7	26
121	Enantioselective allylic alkylation of stereodefined polysubstituted copper enolates as an entry to acyclic quaternary carbon stereocentres. Chemical Science, 2017, 8, 627-630.	7.4	25
122	Cyclopropene Derivatives as Precursors to Enantioenriched Cyclopropanols and nâ€Butenals Possessing Quaternary Carbon Stereocenters. Angewandte Chemie, 2015, 127, 12522-12525.	2.0	24
123	Preparation and Reactivity of Acyclic Chiral Allylzinc Species by a Zincâ€Brook Rearrangement. Angewandte Chemie - International Edition, 2016, 55, 6057-6061.	13.8	24
124	Pdâ€Catalyzed Selective Remote Ring Opening of Polysubstituted Cyclopropanols. Chemistry - A European Journal, 2018, 24, 8553-8557.	3.3	24
125	Synthese enantiomerenangereicherter, vicinaler tertiÃrer und quartÃrer Kohlenstoffâ€Stereozentren innerhalb einer acyclischen Kette. Angewandte Chemie, 2020, 132, 36-49.	2.0	24
126	Directed Regioselective Carbometallation of 1,2â€Dialkylâ€Substituted Cyclopropenes. Angewandte Chemie - International Edition, 2021, 60, 26368-26372.	13.8	24

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127	Synthesis and Reactivity of Zirconocene Derivatives. , 0, , 1-49.		23
128	Regiocontrolled Carbometallation Reactions of Ynamides. Synlett, 2005, 2005, 2098-2100.	1.8	23
129	Copper-catalyzed hydride transfer from LiAlH4 for the formation of alkylidenecyclopropane derivatives. Chemical Communications, 2009, , 292-294.	4.1	23
130	Forming Stereogenic Centers in Acyclic Systems from Alkynes. Angewandte Chemie - International Edition, 2015, 54, 9996-9999.	13.8	23
131	Stereoselective Formation of Fully Substituted Ketone Enolates. Angewandte Chemie - International Edition, 2016, 55, 5517-5520.	13.8	23
132	Regioâ€•and Stereoselective Synthesis of Fully Substituted Silyl Enol Ethers of Ketones and Aldehydes in Acyclic Systems. Angewandte Chemie - International Edition, 2019, 58, 14995-14999.	13.8	23
133	Stereoselective synthesis through remote functionalization. , 2022, 1, 37-48.		23
134	Rhodiumâ€Catalyzed Arylation of Cyclopropenes Based on Asymmetric Direct Functionalization of Threeâ€Membered Carbocycles. Angewandte Chemie, 2018, 130, 3744-3748.	2.0	22
135	Regio- and Diastereoselective Copper-Catalyzed Carbometalation of Cyclopropenylsilanes. Organic Letters, 2019, 21, 9162-9165.	4.6	22
136	Intramolecular carbometalation of functionalized terminal alkynes via low-valent titanium complexes. Chemical Communications, 2000, , 1849-1850.	4.1	21
137	Diastereoselective carbozincation of propargylic amines. Tetrahedron, 2001, 57, 2477-2483.	1.9	21
138	Titanium-Mediated Syntheses of Cyclopropanols and Cyclopropylamines. , 0, , 390-434.		21
139	Convergent diastereoselective preparation of adjacent quaternary stereocenters in an acyclic system. Organic and Biomolecular Chemistry, 2012, 10, 5803.	2.8	21
140	Stereoselective Access to Fully Substituted Aldehydeâ€Derived Silyl Enol Ethers by Iridiumâ€Catalyzed Alkene Isomerization. Angewandte Chemie - International Edition, 2020, 59, 15549-15553.	13.8	21
141	New preparation of stereodefined Î±,Î±-unsaturated ketones by carbomagnesiation of Î±-allenyl ketones. Tetrahedron Letters, 2002, 43, 6009-6010.	1.4	20
142	Zirconocene-assisted remote cleavage of Câ€“C and Câ€“O bonds: application to acyclic stereodefined metalated hydrocarbons. Organic and Biomolecular Chemistry, 2016, 14, 10325-10330.	2.8	20
143	Stereoselective Preparation of Distant Stereocenters (1,5) within Acyclic Molecules. ACS Catalysis, 2020, 10, 7154-7161.	11.2	20
144	A new approach towards the synthesis of sp3 1,1-diiodoalkanes. Chemical Communications, 1999, , 2207-2208.	4.1	19

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145	From Vinyl Sulfides, Sulfoxides, and Sulfones to Vinyl Transition Metal Complexes This research was supported by the Israel Science Foundation administrated by the Israel Academy of Sciences and Humanities, and by the Fund for the Promotion of Research at the Technion.. Angewandte Chemie, 2002, 114, 1468.	2.0	19
146	Diastereoselective ring opening of fully-substituted cyclopropanes via intramolecular Friedelâ€“Crafts alkylation. Chemical Science, 2019, 10, 9548-9554.	7.4	19
147	Ru-catalyzed isomerization of Ï‰-alkenylboronates towards stereoselective synthesis of vinylboronates with subsequent in situ functionalization. Chemical Science, 2020, 11, 5944-5949.	7.4	19
148	Titanocene-Catalyzed Epoxide Opening. , 0, , 435-450.		18
149	Total Synthesis of C30 Botryococcene and epiâ€Botryococcene by a Diastereoselective Ring Opening of Alkenylcyclopropanes. Angewandte Chemie - International Edition, 2018, 57, 13237-13241.	13.8	18
150	Stereoselective tandem iridium-catalyzed alkene isomerization-cope rearrangement of Ï‰-diene epoxides: efficient access to acyclic 1,6-dicarbonyl compounds. Chemical Science, 2021, 12, 9328-9332.	7.4	18
151	Tandem Znâ€Brook Rearrangement/Eneâ€Allene Carbocyclization. European Journal of Organic Chemistry, 2009, 2009, 1749-1756.	2.4	17
152	Merging allylic Câ€“H bond activation and Câ€“C bond cleavage en route to the formation of a quaternary carbon stereocenter in acyclic systems. Nature Protocols, 2017, 12, 74-87.	12.0	16
153	Alkeneâ€Zipper Catalyzed Selective and Remote Retroâ€ene Reaction of Alkenyl Cyclopropylcarbinol. Advanced Synthesis and Catalysis, 2018, 360, 1389-1396.	4.3	16
154	Regioâ€•and Diastereoselective Copperâ€Catalyzed Carbomagnesiation for the Synthesis of Pentaâ€•and Hexaâ€Substituted Cyclopropanes. Angewandte Chemie, 2021, 133, 11910-11914.	2.0	16
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