Marc L Snapper

List of Publications by Year
in descending order

100	7,687	34016	53109
papers	citations	52 h-index	85 g-index

142	142	142	4150
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Discovery of Chiral Catalysts through Ligand Diversity: Ti-Catalyzed Enantioselective Addition of TMSCN tomeso Epoxides. Angewandte Chemie International Edition in English, 1996, 35, 1668-1671.	4.4	279
2	New Tandem Catalysis:Â Preparation of Cyclic Enol Ethers through a Ruthenium-Catalyzed Ring-Closing Metathesisâ"Olefin Isomerization Sequence. Journal of the American Chemical Society, 2002, 124, 13390-13391.	6.6	273
3	Ti-Catalyzed Enantioselective Addition of Cyanide to Imines. A Practical Synthesis of Optically Pure Î±-Amino Acids. Journal of the American Chemical Society, 1999, 121, 4284-4285.	6.6	232
4	Enantioselective silyl protection of alcohols catalysed by an amino-acid-based small molecule. Nature, 2006, 443, 67-70.	13.7	208
5	Simple organic molecules as catalysts for enantioselective synthesis of amines and alcohols. Nature, 2013, 494, 216-221.	13.7	199
6	Ag-Catalyzed Asymmetric Mannich Reactions of Enol Ethers with Aryl, Alkyl, Alkenyl, and Alkynyl Imines. Journal of the American Chemical Society, 2004, 126, 3734-3735.	6.6	187
7	Catalytic Asymmetric Alkylations of Ketoimines. Enantioselective Synthesis of N-Substituted Quaternary Carbon Stereogenic Centers by Zr-Catalyzed Additions of Dialkylzinc Reagents to Aryl-, Alkyl-, and Trifluoroalkyl-Substituted Ketoimines. Journal of the American Chemical Society, 2008, 130, 5530-5541.	6.6	180
8	Ring-Opening Metathesis. A Ruthenium Catalyst Caught in the Act. Journal of the American Chemical Society, 1997, 119, 7157-7158.	6.6	175
9	Total Synthesis of Anti-HIV Agent Chloropeptin I. Journal of the American Chemical Society, 2003, 125, 9032-9034.	6.6	166
10	Ag-Catalyzed Diastereo- and Enantioselective Vinylogous Mannich Reactions of Î±-Ketoimine Esters. Development of a Method and Investigation of its Mechanism. Journal of the American Chemical Society, 2009, 131, 570-576.	6.6	164
11	High-Throughput Strategies for the Discovery of Catalysts. Chemistry - A European Journal, 1998, 4, 1885-1889.	1.7	162
12	Three-Component Catalytic Asymmetric Synthesis of Aliphatic Amines. Journal of the American Chemical Society, 2001, 123, 10409-10410.	6.6	162
13	Efficient and Practical Ag-Catalyzed Cycloadditions between Arylimines and the Danishefsky Diene. Journal of the American Chemical Society, 2003, 125, 4018-4019.	6.6	153
14	Enantioselective Synthesis of Propargylamines through Zr-Catalyzed Addition of Mixed Alkynylzinc Reagents to Arylimines. Organic Letters, 2003, 5, 3273-3275.	2.4	144
15	Search for Chiral Catalysts Through Ligand Diversity: Substrate-Specific Catalysts and Ligand Screening on Solid Phase. Angewandte Chemie International Edition in English, 1997, 36, 1704-1707.	4.4	143
16	Three-Component Enantioselective Synthesis of Propargylamines through Zr-Catalyzed Additions of Alkyl Zinc Reagents to Alkynylimines. Angewandte Chemie - International Edition, 2003, 42, 4244-4247.	7.2	142
17	Aluminum-Catalyzed Asymmetric Addition of TMSCN to Aromatic and Aliphatic Ketones Promoted by an Easily Accessible and Recyclable Peptide Ligand. Angewandte Chemie - International Edition, 2002, 41, 1009-1012.	7.2	140
18	Enantioselective Synthesis of Arylamines Through Zr-Catalyzed Addition of Dialkylzincs to Imines. Reaction Development by Screening of Parallel Libraries. Journal of the American Chemical Society, 2001, 123, 984-985.	6.6	135

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19	Mechanism of Enantioselective Ti-Catalyzed Strecker Reaction:Â Peptide-Based Metal Complexes as Bifunctional Catalysts. Journal of the American Chemical Society, 2001, 123, 11594-11599.	6.6	135
20	Sequential Intramolecular Cyclobutadiene Cycloaddition, Ring-Opening Metathesis, and Cope Rearrangement:Â Total Syntheses of (+)- and (â^')-Asteriscanolide. Journal of the American Chemical Society, 2000, 122, 8071-8072.	6.6	132
21	Kinetic Resolution of 1,2â€Diols through Highly Siteâ€•and Enantioselective Catalytic Silylation. Angewandte Chemie - International Edition, 2007, 46, 8471-8474.	7.2	132
22	Tandem Catalysis:Â Generating Multiple Contiguous Carbonâ^'Carbon Bonds through a Ruthenium-Catalyzed Ring-Closing Metathesis/Kharasch Addition. Journal of the American Chemical Society, 2005, 127, 16329-16332.	6.6	131
23	A Highly Efficient and Practical Method for Catalytic Asymmetric Vinylogous Mannich (AVM) Reactions. Angewandte Chemie - International Edition, 2006, 45, 7230-7233.	7.2	131
24	Three-Component Ag-Catalyzed Enantioselective Vinylogous Mannich and Aza-Dielsâ^'Alder Reactions with Alkyl-Substituted Aldehydes. Journal of the American Chemical Society, 2008, 130, 17961-17969.	6.6	130
25	Ti-Catalyzed Regio- and Enantioselective Synthesis of Unsaturated Î±-Amino Nitriles, Amides, and Acids. Catalyst Identification through Screening of Parallel Libraries. Journal of the American Chemical Society, 2000, 122, 2657-2658.	6.6	118
26	Enantioselective Synthesis of Homoallylic Amines through Reactions of (Pinacolato)allylborons with Aryl-, Heteroaryl-, Alkyl-, or Alkene-Substituted Aldimines Catalyzed by Chiral C₁-Symmetric NHCâ^'Cu Complexes. Journal of the American Chemical Society, 2011, 133, 3332-3335.	6.6	113
27	Selective olefin metathesesâ€"new tools for the organic chemist: A review. Journal of Molecular Catalysis A, 1998, 133, 29-40.	4.8	107
28	Regio- and Stereoselective Ring-Opening Cross-Metathesis. Rapid Entry into Functionalized Bicyclo[6.3.0] Ring Systems. Journal of the American Chemical Society, 1997, 119, 1478-1479.	6.6	106
29	New Reactivity from (PCy3)2Cl2RuCHPh:â€‰ A Mild Catalyst for Kharasch Additions. Journal of Organic Chemistry, 1999, 64, 344-345.	1.7	105
30	Selective Ring-Opening Cross-Metathesis. Short Syntheses of Multifidene and Viridiene. Journal of the American Chemical Society, 1995, 117, 9610-9611.	6.6	103
31	Proline-BasedN-Oxides as Readily Available and Modular Chiral Catalysts. Enantioselective Reactions of Allyltrichlorosilane with Aldehydes. Organic Letters, 2005, 7, 3151-3154.	2.4	102
32	Catalytic Enantioselective Silylation of Acyclic and Cyclic Triols: Application to Total Syntheses of Cleroindicinsâ€…D, F, and C. Angewandte Chemie - International Edition, 2009, 48, 547-550.	7.2	101
33	Preparation of Alkenyl Cyclopropanes through a Ruthenium-Catalyzed Tandem Enyne Metathesisâ^'Cyclopropanation Sequence. Journal of the American Chemical Society, 2006, 128, 52-53.	6.6	98
34	Al-Catalyzed Enantioselective Alkylation of Î±-Ketoesters by Dialkylzinc Reagents. Enhancement of Enantioselectivity and Reactivity by an Achiral Lewis Base Additive. Journal of the American Chemical Society, 2005, 127, 15453-15456.	6.6	95
35	Ruthenium-Catalyzed Tandem Olefin Metathesisâ^'Oxidations. Organic Letters, 2006, 8, 4759-4762.	2.4	91
36	Enantioselective Synthesis of Propargylamines Through Zr-Catalyzed Addition of Mixed Alkynylzinc Reagents to Arylimines.. ChemInform, 2004, 35, no.	0.1	90

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37	Entwicklung von chiralen Katalysatoren durch kombinatorische Ligandenvariation â€“ Tiâ€katalysierte enantioselektive Addition von TMSCN an mesoâ€Epoxide. Angewandte Chemie, 1996, 108, 1776-1779.	1.6	89
38	Practical and Highly Enantioselective Synthesis of Î²-Alkynyl-Î²-amino Esters through Ag-Catalyzed Asymmetric Mannich Reactions of Silylketene Acetals and Alkynyl Imines. Organic Letters, 2005, 7, 2711-2713.	2.4	89
39	Multiple Component Reactions:â€‰An Efficient Nickel-Catalyzed Reformatsky-Type Reaction and Its Application in the Parallel Synthesis of Î²-Amino Carbonyl Libraries. Journal of Organic Chemistry, 2003, 68, 2143-2150.	1.7	87
40	Catalytic Enantioselective Hosomiâ€“Sakurai Conjugate Allylation of Cyclic Unsaturated Ketoesters. Angewandte Chemie - International Edition, 2008, 47, 5049-5051.	7.2	82
41	Aluminum-Catalyzed Asymmetric Alkylations of Pyridyl-Substituted Alkynyl Ketones with Dialkylzinc Reagents. Journal of the American Chemical Society, 2008, 130, 9942-9951.	6.6	82
42	A Chiral Ag-Based Catalyst for Practical, Efficient, and Highly Enantioselective Additions of Enolsilanes to Î±-Ketoesters. Journal of the American Chemical Society, 2006, 128, 6532-6533.	6.6	76
43	A Stereoselective Enyne Cross Metathesis. Organic Letters, 2003, 5, 1855-1858.	2.4	75
44	Enantioselective silyl protection of alcohols promoted by a combination of chiral and achiral Lewis basic catalysts. Nature Chemistry, 2013, 5, 768-774.	6.6	73
45	Combinatorial catalyst discovery. Current Opinion in Chemical Biology, 1999, 3, 313-319.	2.8	72
46	High-throughput methods for the development of new catalytic asymmetric reactions. Drug Discovery Today, 2002, 7, 1002-1012.	3.2	67
47	Ruthenium-Catalyzed Tandem Cross-Metathesis/Wittig Olefination:Â Generation of Conjugated Dienoic Esters from Terminal Olefins. Organic Letters, 2007, 9, 1749-1752.	2.4	61
48	A Robust, Efficient, and Highly Enantioselective Method for Synthesis of Homopropargyl Amines. Angewandte Chemie - International Edition, 2012, 51, 6618-6621.	7.2	60
49	Regiodivergent Reactions through Catalytic Enantioselective Silylation of Chiral Diols. Synthesis of Sapinofuranone A. Organic Letters, 2011, 13, 3778-3781.	2.4	57
50	Stereodivergent Synthesis of All 15-F2Isoprostanes. Journal of the American Chemical Society, 2002, 124, 10998-11000.	6.6	55
51	Intramolecular Cycloadditions of Cyclobutadiene with Dienes:Â Experimental and Computational Studies of the Competing (2 + 2) and (4 + 2) Modes of Reaction. Journal of the American Chemical Society, 2003, 125, 16310-16321.	6.6	55
52	Total Syntheses of (+)- and (â^')-Cacospongionolide B, Cacospongionolide E, and Related Analogues. Preliminary Study of Structural Features Required for Phospholipase A2Inhibition. Journal of Organic Chemistry, 2004, 69, 5712-5719.	1.7	55
53	Total Synthesis of (-)-Ilimaquinone. Journal of Organic Chemistry, 1995, 60, 1114-1115.	1.7	54
54	(PCy3)2Cl2Ruî—»CHPh Catalyzed Kharasch additions. Application in a formal olefin carbonylation. Tetrahedron, 2004, 60, 7391-7396.	1.0	54

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55	Intramolecular Cycloadditions between Cyclobutadiene and Alkenes. Journal of the American Chemical Society, 1996, 118, 9196-9197.	6.6	51
56	Preparation of Aliphatic Ketones through a Ruthenium-Catalyzed Tandem Cross-Metathesis/Allylic Alcohol Isomerization. Organic Letters, 2006, 8, 2603-2606.	2.4	51
57	Intramolecular Cycloadditions of Cyclobutadiene with Olefins. Journal of the American Chemical Society, 2002, 124, 14748-14758.	6.6	49
58	Isocomplestatin:Â Total Synthesis and Stereochemical Revision. Journal of the American Chemical Society, 2005, 127, 7334-7336.	6.6	48
59	Selectivity in ring-opening metatheses. Tetrahedron, 1997, 53, 16511-16520.	1.0	47
60	Intramolecular [2 + 2]- Photocycloaddition/Thermal Fragmentation Approach toward 5â˜'8â˜'5 Ring Systems. Organic Letters, 2001, 3, 2819-2821.	2.4	47
61	Total Syntheses of (+)- and (â˜')-Cacospongionolide B:â€‰ New Insight into Structural Requirements for Phospholipase A2 Inhibition. Journal of the American Chemical Society, 2002, 124, 11584-11585.	6.6	46
62	Ring-Opening Metathesis/Oxy-Cope Rearrangement:Â A New Strategy for the Synthesis of Bicyclic Medium Ring-Containing Compounds. Journal of the American Chemical Society, 2003, 125, 14901-14904.	6.6	41
63	[2â€‰+â€‰2]â€‰Photocycloaddition/Thermalâ€‰Retrocycloaddi- tion. A New Entry into Functionalized 5-8-5 Ring Systems. Journal of the American Chemical Society, 1999, 121, 4534-4535.	6.6	38
64	Ruthenium-catalyzed tandem enyne metathesis/hydrovinylation. Chemical Communications, 2010, 46, 5692.	2.2	37
65	New Tools for Studying Vesicular-Mediated Protein Trafficking:Â Synthesis and Evaluation of Ilimaquinone Analogs in a Non-Radioisotope-Based Antisecretory Assay. Journal of Organic Chemistry, 1997, 62, 2823-2831.	1.7	36
66	Concise Synthesis of Norrisolide. European Journal of Organic Chemistry, 2012, 2012, 2308-2311.	1.2	35
67	Interactions of (â˜')-ilimaquinone with methylation enzymes: implications for vesicular-mediated secretion. Chemistry and Biology, 1999, 6, 639-647.	6.2	34
68	Formation of Polycyclic Lactones through a Ruthenium-Catalyzed Ring-Closing Metathesis/Hetero-Pausonâ€“Khand Reaction Sequence. Journal of Organic Chemistry, 2011, 76, 3644-3653.	1.7	32
69	Intramolecular Cyclobutadiene Cycloaddition/Cyclopropanation/Thermal Rearrangement:Â An Effective Strategy for the Asymmetric Syntheses of Pleocarpenene and Pleocarpenone. Journal of the American Chemical Society, 2007, 129, 486-487.	6.6	31
70	Ruthenium-catalyzed tandem enyne-cross metathesisâ€“cyclopropanation: three-component access to vinyl cyclopropanes. Tetrahedron Letters, 2008, 49, 5714-5717.	0.7	31
71	New Approach to Bicyclo [5.3.0] Ring Systems. Journal of the American Chemical Society, 2001, 123, 5152-5153.	6.6	30
72	Intramolecular Cycloadditions between Cyclobutadiene and Dienes. Journal of Organic Chemistry, 1998, 63, 6440-6441.	1.7	27

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73	Solvent-Controlled Intramolecular [2 + 2] Photocycloadditions of Î±-Substituted Enones. Journal of the American Chemical Society, 2006, 128, 7315-7319.	6.6	27
74	Ring opening metathesis approach to the isoprostanes. Tetrahedron Letters, 2000, 41, 9685-9689.	0.7	23
75	Intramolecular [2 + 2] Photocycloaddition/Thermal Fragmentation:â€‰ Formally â€œAllowedâ€•and â€œForbiddenâ€•Pathways toward 5â^'8â^'5 Ring Systems. Journal of the American Chemical Society, 2005, 127, 1201-1205.	6.6	23
76	A Cross-Metathesis Route to the 5-F₂-Isoprostanes. Journal of Organic Chemistry, 2008, 73, 3754-3758.	1.7	21
77	A new structural class of S-adenosylhomocysteine hydrolase inhibitors. Bioorganic and Medicinal Chemistry, 2009, 17, 6707-6714.	1.4	21
78	N-Substituted tertiary and O-substituted quaternary carbon stereogenic centers by site-, diastereo- and enantioselective vinylogous Mannich reactions. Tetrahedron Letters, 2015, 56, 3489-3493.	0.7	20
79	Photoaffinity study of the cellular interactions of ilimaquinone. Bioorganic and Medicinal Chemistry, 1998, 6, 1227-1232.	1.4	19
80	Functionalized Oxepines via Fragmentation of Highly Strained Epoxides. Organic Letters, 2006, 8, 5183-5186.	2.4	19
81	Conformationally Restricted (+)-Cacospongionolide B Analogues. Influence on Secretory Phospholipase A2Inhibition. Journal of Organic Chemistry, 2007, 72, 1545-1552.	1.7	19
82	S -adenosylmethionine reverses ilimaquinone's vesiculation of the Golgi apparatus. Bioorganic and Medicinal Chemistry Letters, 2001, 11, 133-136.	1.0	16
83	Synthesis of Isoprostanyl Phosphatidylcholine and Isoprostanyl Phosphatidylethanolamine. Journal of Organic Chemistry, 2006, 71, 1330-1334.	1.7	13
84	A molecular assembler. Nature, 2017, 549, 336-337.	13.7	12
85	Intramolecular [2+2+1] Cycloadditions with (Cyclobutadiene)tricarbonyliron. Angewandte Chemie - International Edition, 2005, 44, 4929-4932.	7.2	11
86	Lewis Acid-Mediated Generation of Bicyclo[5.3.0]decanes and Bicyclo[4.3.0]nonanes. Organic Letters, 2005, 7, 5785-5788.	2.4	7
87	Development and Evaluation of a Solid-Supported Cyclobutadieneiron Tricarbonyl Complex for Parallel Synthesis Applications. ACS Combinatorial Science, 2012, 14, 343-346.	3.8	5
88	New cycloaddition/fragmentation strategies for preparing 5-7-5 and 5-7-6 fused tricyclic ring systems. Tetrahedron, 2013, 69, 7831-7839.	1.0	2
89	Ring-Opening Metathesis/Oxy-Cope Rearrangement: A New Strategy for the Synthesis of Bicyclic Medium Ring-Containing Compounds.. ChemInform, 2004, 35, no.	0.1	1
90	New Tandem Catalysis: Preparation of Cyclic Enol Ethers Through a Ruthenium-Catalyzed Ring-Closing Metathesisâ€"Olefin Isomerization Sequence.. ChemInform, 2003, 34, no.	0.1	0

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91	Intramolecular Cycloadditions of Cyclobutadiene with Olefins.. ChemInform, 2003, 34, no.	0.1	0
92	High-Throughput Methods for the Development of New Catalytic Asymmetric Reactions. ChemInform, 2003, 34, no.	0.1	0
93	Multiple Component Reactions: An Efficient Nickel-Catalyzed Reformatsky-Type Reaction and Its Application in the Parallel Synthesis of Î²-Amino Carbonyl Libraries.. ChemInform, 2003, 34, no.	0.1	0
94	Efficient and Practical Ag-Catalyzed Cycloadditions Between Arylimines and the Danishefsky Diene.. ChemInform, 2003, 34, no.	0.1	0
95	A Stereoselective Enyne Cross Metathesis.. ChemInform, 2003, 34, no.	0.1	0
96	Intramolecular Cycloadditions of Cyclobutadiene with Dienes: Experimental and Computational Studies of the Competing [2 + 2] and [4 + 2] Modes of Reaction.. ChemInform, 2004, 35, no.	0.1	0
97	Ag-Catalyzed Asymmetric Mannich Reactions of Enol Ethers with Aryl, Alkyl, Alkenyl, and Alkynyl Imines.. ChemInform, 2004, 35, no.	0.1	0
98	(PCy3)2Cl2Ru=CHPh Catalyzed Kharasch Additions. Application in a Formal Olefin Carbonylation.. ChemInform, 2004, 35, no.	0.1	0
99	Proline-Based N-Oxides as Readily Available and Modular Chiral Catalysts. Enantioselective Reactions of Allyltrichlorosilane with Aldehydes.. ChemInform, 2005, 36, no.	0.1	0
100	New Reactions: Introducing Molecular Strain to Access Molecular Complexity. , 2003, , 60.		0