Robert Grubbs

List of Publications by Year
in descending order

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670 papers	91,554 citations	231 145 h-index	451 273 g-index
918 all docs	918 docs citations	918 times ranked	27892 citing authors

#	Article	IF	Citations
1	The Development of L2X2RuCHR Olefin Metathesis Catalysts:Â An Organometallic Success Story. Accounts of Chemical Research, 2001, 34, 18-29.	15.6	3,442
2	Synthesis and Activity of a New Generation of Ruthenium-Based Olefin Metathesis Catalysts Coordinated with 1,3-Dimesityl-4,5-dihydroimidazol-2-ylidene LigandsÂ§. Organic Letters, 1999, 1, 953-956.	4.6	3,359
3	Safe and Convenient Procedure for Solvent Purification. Organometallics, 1996, 15, 1518-1520.	2.3	2,769
4	Recent advances in olefin metathesis and its application in organic synthesis. Tetrahedron, 1998, 54, 4413-4450.	1.9	2,114
5	Synthesis and Applications of RuCl2(CHRâ€˜)(PR3)2:Â The Influence of the Alkylidene Moiety on Metathesis Activity. Journal of the American Chemical Society, 1996, 118, 100-110.	13.7	2,104
6	Ruthenium-Based Heterocyclic Carbene-Coordinated Olefin Metathesis Catalysts. Chemical Reviews, 2010, 110, 1746-1787.	47.7	1,785
7	A Series of Well-Defined Metathesis Catalystsâ€“Synthesis of[RuCl2(ï£¾CHRâ€²)(PR3)2] and Its Reactions. Angewandte Chemie International Edition in English, 1995, 34, 2039-2041.	4.4	1,436
8	A General Model for Selectivity in Olefin Cross Metathesis. Journal of the American Chemical Society, 2003, 125, 11360-11370.	13.7	1,404
9	Living ring-opening metathesis polymerization. Progress in Polymer Science, 2007, 32, 1-29.	24.7	1,298
10	Olefin metathesis. Tetrahedron, 2004, 60, 7117-7140.	1.9	1,184
11	Mechanism and Activity of Ruthenium Olefin Metathesis Catalysts. Journal of the American Chemical Society, 2001, 123, 6543-6554.	13.7	1,103
12	Neutral, Single-Component Nickel (II) Polyolefin Catalysts That Tolerate Heteroatoms. Science, 2000, 287, 460-462.	12.6	1,059
13	Olefin-Metathesis Catalysts for the Preparation of Molecules and Materials (Nobel Lecture). Angewandte Chemie - International Edition, 2006, 45, 3760-3765.	13.8	1,036
14	Ring-Closing Metathesis and Related Processes in Organic Synthesis. Accounts of Chemical Research, 1995, 28, 446-452.	15.6	1,030
15	Ring-opening metathesis polymerization (ROMP) of norbornene by a Group VIII carbene complex in protic media. Journal of the American Chemical Society, 1992, 114, 3974-3975.	13.7	960
16	Increased ring closing metathesis activity of ruthenium-based olefin metathesis catalysts coordinated with imidazolin-2-ylidene ligands. Tetrahedron Letters, 1999, 40, 2247-2250.	1.4	882
17	A Practical and Highly Active Ruthenium-Based Catalyst that Effects the Cross Metathesis of Acrylonitrile. Angewandte Chemie - International Edition, 2002, 41, 4035-4037.	13.8	824
18	Syntheses and activities of new single-component, ruthenium-based olefin metathesis catalysts. Journal of the American Chemical Society, 1993, 115, 9858-9859.	13.7	704

#	Article	IF	Citations
19	Well-Defined Ruthenium Olefin Metathesis Catalysts:Â Mechanism and Activity. Journal of the American Chemical Society, 1997, 119, 3887-3897.	13.7	667
20	Neutral Nickel(II)-Based Catalysts for Ethylene Polymerization. Organometallics, 1998, 17, 3149-3151.	2.3	624
21	Array-Based Vapor Sensing Using Chemically Sensitive, Carbon Blackâ^'Polymer Resistors. Chemistry of Materials, 1996, 8, 2298-2312.	6.7	608
22	Synthesis of Functionalized Olefins by Cross and Ring-Closing Metatheses. Journal of the American Chemical Society, 2000, 122, 3783-3784.	13.7	605
23	Prevention of Undesirable Isomerization during Olefin Metathesis. Journal of the American Chemical Society, 2005, 127, 17160-17161.	13.7	587
24	An "Endless" Route to Cyclic Polymers. Science, 2002, 297, 2041-2044.	12.6	583
25	Highly Efficient Ring-Opening Metathesis Polymerization (ROMP) Using New Ruthenium Catalysts Containing N-Heterocyclic Carbene Ligands. Angewandte Chemie - International Edition, 2000, 39, 2903-2906.	13.8	543
26	Catalytic ring-closing metathesis of functionalized dienes by a ruthenium carbene complex. Journal of the American Chemical Society, 1993, 115, 9856-9857.	13.7	536
27	Synthesis and Activity of Ruthenium Alkylidene Complexes Coordinated with Phosphine and N-Heterocyclic Carbene Ligands. Journal of the American Chemical Society, 2003, 125, 2546-2558.	13.7	530
28	Recent advances in ruthenium-based olefin metathesis. Chemical Society Reviews, 2018, 47, 4510-4544.	38.1	501
29	Highly Efficient Synthesis of Covalently Cross-Linked Peptide Helices by Ring-Closing Metathesis. Angewandte Chemie - International Edition, 1998, 37, 3281-3284.	13.8	479
30	Phenylâ^'Perfluorophenyl Stacking Interactions:Â Topochemical [2+2] Photodimerization and Photopolymerization of Olefinic Compounds. Journal of the American Chemical Society, 1998, 120, 3641-3649.	13.7	477
31	Polymer synthesis and organotransition metal chemistry. Science, 1989, 243, 907-915.	12.6	454
32	Application of Ring-Closing Metathesis to the Synthesis of Rigidified Amino Acids and Peptides. Journal of the American Chemical Society, 1996, 118, 9606-9614.	13.7	441
33	Efficient Synthesis of Narrowly Dispersed Brush Copolymers and Study of Their Assemblies: The Importance of Side Chain Arrangement. Journal of the American Chemical Society, 2009, 131, 18525-18532.	13.7	441
34	Tandem Catalysis:â€‰ The Sequential Mediation of Olefin Metathesis, Hydrogenation, and Hydrogen Transfer with Single-Component Ru Complexes. Journal of the American Chemical Society, 2001, 123, 11312-11313.	13.7	416
35	New Insights into the Mechanism of Ruthenium-Catalyzed Olefin Metathesis Reactions. Journal of the American Chemical Society, 2001, 123, 749-750.	13.7	415
36	Enantioselective Ruthenium-Catalyzed Ring-Closing Metathesis. Organic Letters, 2001, 3, 3225-3228.	4.6	412

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37	Phenylâ€“Perfluorophenyl Stacking Interactions: A New Strategy for Supermolecule Construction. Angewandte Chemie International Edition in English, 1997, 36, 248-251.	4.4	408
38	Titanacyclobutanes derived from strained, cyclic olefins: the living polymerization of norbornene. Journal of the American Chemical Society, 1986, 108, 733-742.	13.7	405
39	Decomposition of a Key Intermediate in Ruthenium-Catalyzed Olefin Metathesis Reactions. Journal of the American Chemical Society, 2004, 126, 7414-7415.	13.7	396
40	Controlled Living Ring-Opening-Metathesis Polymerization by a Fast-Initiating Ruthenium Catalyst. Angewandte Chemie - International Edition, 2003, 42, 1743-1746.	13.8	395
41	A Versatile Precursor for the Synthesis of New Ruthenium Olefin Metathesis Catalysts. Organometallics, 2001, 20, 5314-5318.	2.3	390
42	Decomposition of Ruthenium Olefin Metathesis Catalysts. Journal of the American Chemical Society, 2007, 129, 7961-7968.	13.7	387
43	New Approaches to Olefin Cross-Metathesis. Journal of the American Chemical Society, 2000, 122, 58-71.	13.7	363
44	Ruthenium Carbene-Based Olefin Metathesis Initiators:Â Catalyst Decomposition and Longevity. Journal of Organic Chemistry, 1999, 64, 7202-7207.	3.2	358
45	Silylation of Câ€“H bonds in aromatic heterocycles by an Earth-abundant metal catalyst. Nature, 2015, 518, 80-84.	27.8	351
46	Rapid self-assembly of brush block copolymers to photonic crystals. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 14332-14336.	7.1	338
47	Î±-Agostic Interactions and Olefin Insertion in Metallocene Polymerization Catalysts. Accounts of Chemical Research, 1996, 29, 85-93.	15.6	329
48	Improved Ruthenium Catalysts for Z-Selective Olefin Metathesis. Journal of the American Chemical Society, 2012, 134, 693-699.	13.7	323
49	Core-Clickable PEG-Branch-Azide Bivalent-Bottle-Brush Polymers by ROMP: Grafting-Through and Clicking-To. Journal of the American Chemical Society, 2011, 133, 559-566.	13.7	320
50	Synthesis of Trisubstituted Alkenes via Olefin Cross-Metathesis. Organic Letters, 1999, 1, 1751-1753.	4.6	315
51	The application of catalytic ring-closing olefin metathesis to the synthesis of unsaturated oxygen heterocycles. Journal of the American Chemical Society, 1992, 114, 5426-5427.	13.7	313
52	Highly Active Water-Soluble Olefin Metathesis Catalyst. Journal of the American Chemical Society, 2006, 128, 3508-3509.	13.7	313
53	Synthesis, Structure, and Activity of Enhanced Initiators for Olefin Metathesis. Journal of the American Chemical Society, 2003, 125, 10103-10109.	13.7	305
54	Chelated Ruthenium Catalysts for Z-Selective Olefin Metathesis. Journal of the American Chemical Society, 2011, 133, 8525-8527.	13.7	303

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55	Eine Reihe definierter Metathesekatalysatoren â€“ Synthese von und Reaktionen mit [RuCl₂ () Tj ETQq1 1 0.784314 rgB	2.0	301
56	50th Anniversary Perspective: Living Polymerizationâ€”Emphasizing the Molecule in Macromolecules. Macromolecules, 2017, 50, 6979-6997.	4.8	295
57	A Standard System of Characterization for Olefin Metathesis Catalysts. Organometallics, 2006, 25, 5740-5745.	2.3	293
58	Efficient Synthesis of Narrowly Dispersed Brush Polymers via Living Ring-Opening Metathesis Polymerization of Macromonomers. Macromolecules, 2009, 42, 3761-3766.	4.8	293
59	Drug-Loaded, Bivalent-Bottle-Brush Polymers by Graft-through ROMP. Macromolecules, 2010, 43, 10326-10335.	4.8	289
60	Highly Efficient Ruthenium Catalysts for the Formation of Tetrasubstituted Olefins via Ring-Closing Metathesis. Organic Letters, 2007, 9, 1589-1592.	4.6	286
61	Catalytic Ring-Closing Metathesis of Dienes: Application to the Synthesis of Eight-Membered Rings. Journal of the American Chemical Society, 1995, 117, 2108-2109.	13.7	282
62	Living Ring-Opening Metathesis Polymerization in Aqueous Media Catalyzed by Well-Defined Ruthenium Carbene Complexes. Journal of the American Chemical Society, 1996, 118, 784-790.	13.7	282
63	Titanium-mediated methylene-transfer reactions. Direct conversion of esters into vinyl ethers. Journal of the American Chemical Society, 1980, 102, 3270-3272.	13.7	279
64	The synthesis of nitrogen heterocycles via catalytic ring-closing metathesis of dienes. Journal of the American Chemical Society, 1992, 114, 7324-7325.	13.7	277
65	Metathesis of Electron-Rich Olefins:â€‰ Structure and Reactivity of Electron-Rich Carbene Complexes. Organometallics, 2002, 21, 2153-2164.	2.3	268
66	Ring-Opening Metathesis Polymerization from Surfaces. Journal of the American Chemical Society, 1999, 121, 4088-4089.	13.7	263
67	Purification technique for the removal of ruthenium from olefin metathesis reaction products. Tetrahedron Letters, 1999, 40, 4137-4140.	1.4	261
68	Catalytic organometallic chemistry in water: the aqueous ring-opening metathesis polymerization of 7-oxanorbornene derivatives. Journal of the American Chemical Society, 1988, 110, 7542-7543.	13.7	256
69	Effects of Olefin Substitution on the Ring-Closing Metathesis of Dienes. Journal of Organic Chemistry, 1997, 62, 7310-7318.	3.2	256
70	Tandem Ring Openingâ^'Ring Closing Metathesis of Cyclic Olefins. Journal of the American Chemical Society, 1996, 118, 6634-6640.	13.7	253
71	Synthesis of Water-Soluble, Aliphatic Phosphines and Their Application to Well-Defined Ruthenium Olefin Metathesis Catalysts. Organometallics, 1996, 15, 4317-4325.	2.3	250
72	Synthesis of Functionalized Vinyl Boronates via Ruthenium-Catalyzed Olefin Cross-Metathesis and Subsequent Conversion to Vinyl Halides. Journal of Organic Chemistry, 2003, 68, 6031-6034.	3.2	245

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73	Ring-opening polymerization of norbornene by a living tungsten alkylidene complex. Macromolecules, 1987, 20, 1169-1172.	4.8	238
74	High-Yield Synthesis of[2] Catenanes by Intramolecular Ring-Closing Metathesis. Angewandte Chemie International Edition in English, 1997, 36, 1308-1310.	4.4	238
75	Highly Active Chiral Ruthenium Catalysts for Asymmetric Ring-Closing Olefin Metathesis. Journal of the American Chemical Society, 2006, 128, 1840-1846.	13.7	237
76	The ring opening metathesis polymerization of 7-oxabicyclo[2.2.1]hept-5-ene derivatives: a new acyclic polymeric ionophore. Journal of the American Chemical Society, 1988, 110, 960-961.	13.7	228
77	Reactions of Ruthenium Carbenes of the Type (PPh3)2(X)2Ru:CH-CH:CPh2 (X = Cl and CF3COO) with Strained Acyclic Olefins and Functionalized Olefins. Journal of the American Chemical Society, 1995, 117, 5503-5511.	13.7	227
78	Catalytic reduction of olefins with a polymer-supported rhodium(I) catalyst. Journal of the American Chemical Society, 1971, 93, 3062-3063.	13.7	226
79	Living Ring-Opening Metathesis Polymerization in Water. Journal of the American Chemical Society, 1998, 120, 1627-1628.	13.7	220
80	Tandem Catalysis:Â Three Mechanistically Distinct Reactions from a Single Ruthenium Complex. Journal of the American Chemical Society, 2000, 122, 12872-12873.	13.7	218
81	Synthesis of Catenane Structures via Ring-Closing Metathesis. Journal of Organic Chemistry, 1999, 64, 5463-5471.	3.2	217
82	Synthesis and Characterization of New Ruthenium-Based Olefin Metathesis Catalysts Coordinated with Bidentate Schiff-Base Ligands. Organometallics, 1998, 17, 3460-3465.	2.3	216
83	Relative Reaction Rates of Olefin Substrates with Ruthenium(II) Carbene Metathesis Initiators1. Organometallics, 1998, 17, 2484-2489.	2.3	216
84	Ring-Closing Metathesis of Olefinic Peptides:Â Design, Synthesis, and Structural Characterization of Macrocyclic Helical Peptides. Journal of Organic Chemistry, 2001, 66, 5291-5302.	3.2	216
85	Synthesis of Isocyanate-Based Brush Block Copolymers and Their Rapid Self-Assembly to Infrared-Reflecting Photonic Crystals. Journal of the American Chemical Society, 2012, 134, 14249-14254.	13.7	216
86	Water-Soluble Ruthenium Alkylidenes:Â Synthesis, Characterization, and Application to Olefin Metathesis in Protic Solvents. Journal of the American Chemical Society, 2000, 122, 6601-6609.	13.7	215
87	Synthesis of Glycopolymers of Controlled Molecular Weight by Ring-Opening Metathesis Polymerization Using Well-Defined Functional Group Tolerant Ruthenium Carbene Catalysts. Macromolecules, 1995, 28, 7248-7255.	4.8	213
88	Influence of Perfluoroarene-Arene Interactions on the Phase Behavior of Liquid Crystalline and Polymeric Materials. Angewandte Chemie - International Edition, 1999, 38, 2741-2745.	13.8	209
89	Precisely Tunable Photonic Crystals From Rapidly Selfâ€Assembling Brush Block Copolymer Blends. Angewandte Chemie - International Edition, 2012, 51, 11246-11248.	13.8	207
90	The Synthesis of Cyclic Enol Ethers via Molybdenum Alkylidene-Catalyzed Ring-Closing Metathesis. Journal of Organic Chemistry, 1994, 59, 4029-4031.	3.2	203

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91	Synthesis of Norbornenyl Polymers with Bioactive Oligopeptides by Ring-Opening Metathesis Polymerization. Macromolecules, 2000, 33, 6239-6248.	4.8	200
92	Primary Alcohols from Terminal Olefins: Formal Anti-Markovnikov Hydration via Triple Relay Catalysis. Science, 2011, 333, 1609-1612.	12.6	199
93	Synthesis of cycloalkenes via alkylidene-mediated olefin metathesis and carbonyl olefination. Journal of the American Chemical Society, 1993, 115, 3800-3801.	13.7	197
94	Synthesis of Cyclic Polybutadiene via Ring-Opening Metathesis Polymerization:Â The Importance of Removing Trace Linear Contaminants. Journal of the American Chemical Society, 2003, 125, 8424-8425.	13.7	197
95	Titanium metallacarbene-metallacyclobutane reactions: stepwise metathesis. Journal of the American Chemical Society, 1980, 102, 6876-6878.	13.7	195
96	Cp2TiCH2 complexes in synthetic applications. Pure and Applied Chemistry, 1983, 55, 1733-1744.	1.9	195
97	New Triarylamine-Containing Polymers as Hole Transport Materials in Organic Light-Emitting Diodes:Â Effect of Polymer Structure and Cross-Linking on Device Characteristics. Chemistry of Materials, 1998, 10, 1668-1676.	6.7	195
98	Latent Ruthenium Olefin Metathesis Catalysts That Contain an N-Heterocyclic Carbene Ligand. Organometallics, 2004, 23, 5399-5401.	2.3	195
99	Synthesis of Conformationally Restricted Amino Acids and Peptides Employing Olefin Metathesis. Journal of the American Chemical Society, 1995, 117, 5855-5856.	13.7	194
100	A neutral, water-soluble olefin metathesis catalyst based on an N-heterocyclic carbene ligand. Tetrahedron Letters, 2005, 46, 2577-2580.	1.4	194
101	Catalytic Ring Closing Metathesis of Dienynes: Construction of Fused Bicyclic Rings. Journal of the American Chemical Society, 1994, 116, 10801-10802.	13.7	193
102	Synthesis of Symmetrical Trisubstituted Olefins by Cross Metathesis. Organic Letters, 2002, 4, 1939-1942.	4.6	193
103	Halide, hydride, and alkyl derivatives of (pentamethylcyclopentadienyl)bis(trimethylphosphine)ruthenium. Organometallics, 1984, 3, 274-278.	2.3	191
104	Application of Bottlebrush Block Copolymers as Photonic Crystals. Macromolecular Rapid Communications, 2017, 38, 1700058.	3.9	190
105	The mechanism of aqueous ruthenium(II)-catalyzed olefin isomerization. Organometallics, 1994, 13, 224-235.	2.3	189
106	Ring-Opening Metathesis Polymerization of Functionalized Cyclooctenes by a Ruthenium-Based Metathesis Catalyst. Macromolecules, 1995, 28, 6311-6316.	4.8	189
107	Synthesis of Highly Stable 1,3-Diaryl-1H-1,2,3-triazol-5-ylidenes and Their Applications in Ruthenium-Catalyzed Olefin Metathesis. Organometallics, 2011, 30, 2617-2627.	2.3	185
108	Linear Rheological Response of a Series of Densely Branched Brush Polymers. Macromolecules, 2011, 44, 6935-6943.	4.8	184

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109	The Catalytic Asymmetric Total Synthesis of Elatol. Journal of the American Chemical Society, 2008, 130, 810-811.	13.7	183
110	Synthesis and Investigation of Homo- and Heterobimetallic Ruthenium Olefin Metathesis Catalysts Exhibiting Increased Activities. Organometallics, 1998, 17, 2758-2767.	2.3	182
111	In Situ Preparation of a Highly Active N-Heterocyclic Carbene-Coordinated Olefin Metathesis Catalyst. Organic Letters, 2000, 2, 3153-3155.	4.6	181
112	Rate Acceleration in Olefin Metathesis through a Fluorineâ^'Ruthenium Interaction. Journal of the American Chemical Society, 2006, 128, 11768-11769.	13.7	181
113	Inhibition of Cell Adhesion to Fibronectin by Oligopeptide-Substituted Polynorbornenes. Journal of the American Chemical Society, 2001, 123, 1275-1279.	13.7	179
114	The syntheses and activities of polystyrene-supported olefin metathesis catalysts based on Cl2(PR3)2Ru = CHâ^'CH = CPh2. Journal of Organometallic Chemistry, 1995, 497, 195-200.	1.8	178
115	Catalytic Ring Closing Metathesis of Dienynes:â€‰ Construction of Fused Bicyclic [n.m.0] Rings. Journal of Organic Chemistry, 1996, 61, 1073-1081.	3.2	176
116	Z-Selectivity in Olefin Metathesis with Chelated Ru Catalysts: Computational Studies of Mechanism and Selectivity. Journal of the American Chemical Society, 2012, 134, 1464-1467.	13.7	176
117	Thin Films of n-Si/Poly-(CH3)3Si-Cyclooctatetraene: Conducting-Polymer Solar Cells and Layered Structures. Science, 1990, 249, 1146-1149.	12.6	175
118	Utility of a Ruthenium Metathesis Catalyst for the Preparation of End-Functionalized Polybutadiene. Macromolecules, 1997, 30, 718-721.	4.8	175
119	Application of ¹H DOSY for Facile Measurement of Polymer Molecular Weights. Macromolecules, 2012, 45, 9595-9603.	4.8	175
120	Cyclic Alkyl Amino Carbene (CAAC) Ruthenium Complexes as Remarkably Active Catalysts for Ethenolysis. Angewandte Chemie - International Edition, 2015, 54, 1919-1923.	13.8	175
121	Mechanism of the olefin metathesis reaction. Journal of the American Chemical Society, 1975, 97, 3265-3267.	13.7	174
122	A New Class of Chelating N-Heterocyclic Carbene Ligands and Their Complexes with Palladium. Organometallics, 2004, 23, 3105-3107.	2.3	174
123	Reactivity of Ru(H)(H2)Cl(PCy3)2with Propargyl and Vinyl Chlorides:Â New Methodology To Give Metathesis-Active Ruthenium Carbenes. Organometallics, 1997, 16, 3867-3869.	2.3	173
124	Stereoselectivity of Macrocyclic Ring-Closing Olefin Metathesis. Organic Letters, 2000, 2, 2145-2147.	4.6	173
125	Small-Molecule N-Heterocyclic-Carbene-Containing Olefin-Metathesis Catalysts for Use in Water. Angewandte Chemie - International Edition, 2007, 46, 5152-5155.	13.8	173
126	Highly Active Ruthenium Metathesis Catalysts Exhibiting Unprecedented Activity and Z-Selectivity. Journal of the American Chemical Society, 2013, 135, 1276-1279.	13.7	173

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127	Highly active iron imidazolylidene catalysts for atom transfer radical polymerization. Chemical Communications, 2000, , 1479-1480.	4.1	172
128	Synthesis of End-Functionalized Poly(norbornene)s via Ring-Opening Metathesis Polymerization. Macromolecules, 2001, 34, 8610-8618.	4.8	172
129	Increased Efficiency in Cross-Metathesis Reactions of Sterically Hindered Olefins. Organic Letters, 2008, 10, 441-444.	4.6	164
130	Template-Directed Ring-Closing Metathesis: Synthesis and Polymerization of Unsaturated Crown Ether Analogs. Angewandte Chemie International Edition in English, 1997, 36, 1101-1103.	4.4	160
131	Potassium tert-Butoxide-Catalyzed Dehydrogenative Câ€“H Silylation of Heteroaromatics: A Combined Experimental and Computational Mechanistic Study. Journal of the American Chemical Society, 2017, 139, 6867-6879.	13.7	160
132	Synthesis ofÎ±,Î²-Unsaturated Amides by Olefin Cross-Metathesis. Angewandte Chemie - International Edition, 2001, 40, 1277-1279.	13.8	159
133	Polycyclooctatetraene (polyacetylene): synthesis and properties. Journal of the American Chemical Society, 1988, 110, 7807-7813.	13.7	158
134	Soluble, chiral polyacetylenes: syntheses and investigation of their solution conformation. Journal of the American Chemical Society, 1991, 113, 1704-1712.	13.7	158
135	Ring-Closing Metathesis in Methanol and Water. Journal of Organic Chemistry, 1998, 63, 9904-9909.	3.2	158
136	Ruthenium-Catalyzed Ring-Closing Metathesis to Form Tetrasubstituted Olefins. Organic Letters, 2007, 9, 1339-1342.	4.6	158
137	ABA Triblock Brush Polymers: Synthesis, Self-Assembly, Conductivity, and Rheological Properties. Macromolecules, 2015, 48, 4967-4973.	4.8	157
138	Room-temperature cycling of metal fluoride electrodes: Liquid electrolytes for high-energy fluoride ion cells. Science, 2018, 362, 1144-1148.	12.6	157
139	Linear functionalized polyethylene prepared with highly active neutral Ni(II) complexes. Journal of Polymer Science Part A, 2002, 40, 2842-2854.	2.3	156
140	Z-Selective Homodimerization of Terminal Olefins with a Ruthenium Metathesis Catalyst. Journal of the American Chemical Society, 2011, 133, 9686-9688.	13.7	156
141	Cis-Selective Ring-Opening Metathesis Polymerization with Ruthenium Catalysts. Journal of the American Chemical Society, 2012, 134, 2040-2043.	13.7	156
142	Synthesis and Reactivity of Olefin Metathesis Catalysts Bearing Cyclic (Alkyl)(Amino)Carbenes. Angewandte Chemie - International Edition, 2007, 46, 7262-7265.	13.8	153
143	Late Metal Carbene Complexes Generated by Multiple Câˆ’H Activations: Examining the Continuum of Mâ•C Bond Reactivity. Accounts of Chemical Research, 2009, 42, 1607-1616.	15.6	152
144	Formation of Covalently Attached Polymer Overlayers on Si(111) Surfaces Using Ring-Opening Metathesis Polymerization Methods. Langmuir, 2001, 17, 1321-1323.	3.5	151

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145	Zâ€Selective Cross Metathesis with Ruthenium Catalysts: Synthetic Applications and Mechanistic Implications. Angewandte Chemie - International Edition, 2015, 54, 5018-5024.	13.8	150
146	Activation of homogeneous catalysts by polymer attachment. Journal of the American Chemical Society, 1973, 95, 2373-2375.	13.7	149
147	Polystyrene attached titanocene species. Preparation and reactions. Journal of the American Chemical Society, 1975, 97, 2128-2132.	13.7	149
148	Olefin Metathesis Involving Ruthenium Enoic Carbene Complexes. Journal of the American Chemical Society, 2001, 123, 10417-10418.	13.7	148
149	Magic Ring Catenation by Olefin Metathesis. Organic Letters, 2005, 7, 2129-2132.	4.6	148
150	Synthesis of (.+-.)-.DELTA.9,12-capnellene using titanium reagents. Journal of the American Chemical Society, 1986, 108, 855-856.	13.7	147
151	Strained rings as a source of unsaturation: polybenzvalene, a new soluble polyacetylene precursor. Journal of the American Chemical Society, 1988, 110, 2973-2974.	13.7	145
152	Ring-opening metathesis polymerization of substituted bicyclo[2.2.2]octadienes: a new precursor route to poly(1,4-phenylenevinylene). Journal of the American Chemical Society, 1992, 114, 9708-9710.	13.7	144
153	Reaction between Ruthenium(0) Complexes and Dihalo Compounds. A New Method for the Synthesis of Ruthenium Olefin Metathesis Catalysts. Organometallics, 1997, 16, 4001-4003.	2.3	144
154	Stereoselective Access to Z and E Macrocycles by Ruthenium-Catalyzed Z-Selective Ring-Closing Metathesis and Ethenolysis. Journal of the American Chemical Society, 2013, 135, 94-97.	13.7	144
155	Highly Active Chiral Ruthenium Catalysts for Asymmetric Cross- and Ring-Opening Cross-Metathesis. Angewandte Chemie - International Edition, 2006, 45, 7591-7595.	13.8	143
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