

Robert Grubbs

List of Publications by Year in descending order

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670
papers

91,554
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docs citations

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times ranked

27892
citing authors

#	ARTICLE	IF	CITATIONS
1	The Development of L2X2RuCHR Olefin Metathesis Catalysts: An Organometallic Success Story. <i>Accounts of Chemical Research</i> , 2001, 34, 18-29.	7.6	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 Ligands. <i>Organic Letters</i> , 1999, 1, 953-956.	2.4	3,359
3	Safe and Convenient Procedure for Solvent Purification. <i>Organometallics</i> , 1996, 15, 1518-1520.	1.1	2,769
4	Recent advances in olefin metathesis and its application in organic synthesis. <i>Tetrahedron</i> , 1998, 54, 4413-4450.	1.0	2,114
5	Synthesis and Applications of RuCl ₂ (CHR)(PR) ₂ : The Influence of the Alkylidene Moiety on Metathesis Activity. <i>Journal of the American Chemical Society</i> , 1996, 118, 100-110.	6.6	2,104
6	Ruthenium-Based Heterocyclic Carbene-Coordinated Olefin Metathesis Catalysts. <i>Chemical Reviews</i> , 2010, 110, 1746-1787.	23.0	1,785
7	A Series of Well-Defined Metathesis Catalysts—Synthesis of [RuCl ₂ (CHR)(PR) ₂] and Its Reactions. <i>Angewandte Chemie International Edition in English</i> , 1995, 34, 2039-2041.	4.4	1,436
8	A General Model for Selectivity in Olefin Cross Metathesis. <i>Journal of the American Chemical Society</i> , 2003, 125, 11360-11370.	6.6	1,404
9	Living ring-opening metathesis polymerization. <i>Progress in Polymer Science</i> , 2007, 32, 1-29.	11.8	1,298
10	Olefin metathesis. <i>Tetrahedron</i> , 2004, 60, 7117-7140.	1.0	1,184
11	Mechanism and Activity of Ruthenium Olefin Metathesis Catalysts. <i>Journal of the American Chemical Society</i> , 2001, 123, 6543-6554.	6.6	1,103
12	Neutral, Single-Component Nickel (II) Polyolefin Catalysts That Tolerate Heteroatoms. <i>Science</i> , 2000, 287, 460-462.	6.0	1,059
13	Olefin-Metathesis Catalysts for the Preparation of Molecules and Materials (Nobel Lecture). <i>Angewandte Chemie - International Edition</i> , 2006, 45, 3760-3765.	7.2	1,036
14	Ring-Closing Metathesis and Related Processes in Organic Synthesis. <i>Accounts of Chemical Research</i> , 1995, 28, 446-452.	7.6	1,030
15	Ring-opening metathesis polymerization (ROMP) of norbornene by a Group VIII carbene complex in protic media. <i>Journal of the American Chemical Society</i> , 1992, 114, 3974-3975.	6.6	960
16	Increased ring closing metathesis activity of ruthenium-based olefin metathesis catalysts coordinated with imidazol-2-ylidene ligands. <i>Tetrahedron Letters</i> , 1999, 40, 2247-2250.	0.7	882
17	A Practical and Highly Active Ruthenium-Based Catalyst that Effects the Cross Metathesis of Acrylonitrile. <i>Angewandte Chemie - International Edition</i> , 2002, 41, 4035-4037.	7.2	824
18	Syntheses and activities of new single-component, ruthenium-based olefin metathesis catalysts. <i>Journal of the American Chemical Society</i> , 1993, 115, 9858-9859.	6.6	704

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19	Well-Defined Ruthenium Olefin Metathesis Catalysts: A Mechanism and Activity. <i>Journal of the American Chemical Society</i> , 1997, 119, 3887-3897.	6.6	667
20	Neutral Nickel(II)-Based Catalysts for Ethylene Polymerization. <i>Organometallics</i> , 1998, 17, 3149-3151.	1.1	624
21	Array-Based Vapor Sensing Using Chemically Sensitive, Carbon Black [®] Polymer Resistors. <i>Chemistry of Materials</i> , 1996, 8, 2298-2312.	3.2	608
22	Synthesis of Functionalized Olefins by Cross and Ring-Closing Metatheses. <i>Journal of the American Chemical Society</i> , 2000, 122, 3783-3784.	6.6	605
23	Prevention of Undesirable Isomerization during Olefin Metathesis. <i>Journal of the American Chemical Society</i> , 2005, 127, 17160-17161.	6.6	587
24	An "Endless" Route to Cyclic Polymers. <i>Science</i> , 2002, 297, 2041-2044.	6.0	583
25	Highly Efficient Ring-Opening Metathesis Polymerization (ROMP) Using New Ruthenium Catalysts Containing N-Heterocyclic Carbene Ligands. <i>Angewandte Chemie - International Edition</i> , 2000, 39, 2903-2906.	7.2	543
26	Catalytic ring-closing metathesis of functionalized dienes by a ruthenium carbene complex. <i>Journal of the American Chemical Society</i> , 1993, 115, 9856-9857.	6.6	536
27	Synthesis and Activity of Ruthenium Alkylidene Complexes Coordinated with Phosphine and N-Heterocyclic Carbene Ligands. <i>Journal of the American Chemical Society</i> , 2003, 125, 2546-2558.	6.6	530
28	Recent advances in ruthenium-based olefin metathesis. <i>Chemical Society Reviews</i> , 2018, 47, 4510-4544.	18.7	501
29	Highly Efficient Synthesis of Covalently Cross-Linked Peptide Helices by Ring-Closing Metathesis. <i>Angewandte Chemie - International Edition</i> , 1998, 37, 3281-3284.	7.2	479
30	Phenyl ^π -Perfluorophenyl Stacking Interactions: A Topochemical [2+2] Photodimerization and Photopolymerization of Olefinic Compounds. <i>Journal of the American Chemical Society</i> , 1998, 120, 3641-3649.	6.6	477
31	Polymer synthesis and organotransition metal chemistry. <i>Science</i> , 1989, 243, 907-915.	6.0	454
32	Application of Ring-Closing Metathesis to the Synthesis of Rigidified Amino Acids and Peptides. <i>Journal of the American Chemical Society</i> , 1996, 118, 9606-9614.	6.6	441
33	Efficient Synthesis of Narrowly Dispersed Brush Copolymers and Study of Their Assemblies: The Importance of Side Chain Arrangement. <i>Journal of the American Chemical Society</i> , 2009, 131, 18525-18532.	6.6	441
34	Tandem Catalysis: The Sequential Mediation of Olefin Metathesis, Hydrogenation, and Hydrogen Transfer with Single-Component Ru Complexes. <i>Journal of the American Chemical Society</i> , 2001, 123, 11312-11313.	6.6	416
35	New Insights into the Mechanism of Ruthenium-Catalyzed Olefin Metathesis Reactions. <i>Journal of the American Chemical Society</i> , 2001, 123, 749-750.	6.6	415
36	Enantioselective Ruthenium-Catalyzed Ring-Closing Metathesis. <i>Organic Letters</i> , 2001, 3, 3225-3228.	2.4	412

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37	Phenyl-Perfluorophenyl Stacking Interactions: A New Strategy for Supramolecule Construction. <i>Angewandte Chemie International Edition in English</i> , 1997, 36, 248-251.	4.4	408
38	Titanacyclobutanes derived from strained, cyclic olefins: the living polymerization of norbornene. <i>Journal of the American Chemical Society</i> , 1986, 108, 733-742.	6.6	405
39	Decomposition of a Key Intermediate in Ruthenium-Catalyzed Olefin Metathesis Reactions. <i>Journal of the American Chemical Society</i> , 2004, 126, 7414-7415.	6.6	396
40	Controlled Living Ring-Opening-Metathesis Polymerization by a Fast-Initiating Ruthenium Catalyst. <i>Angewandte Chemie - International Edition</i> , 2003, 42, 1743-1746.	7.2	395
41	A Versatile Precursor for the Synthesis of New Ruthenium Olefin Metathesis Catalysts. <i>Organometallics</i> , 2001, 20, 5314-5318.	1.1	390
42	Decomposition of Ruthenium Olefin Metathesis Catalysts. <i>Journal of the American Chemical Society</i> , 2007, 129, 7961-7968.	6.6	387
43	New Approaches to Olefin Cross-Metathesis. <i>Journal of the American Chemical Society</i> , 2000, 122, 58-71.	6.6	363
44	Ruthenium Carbene-Based Olefin Metathesis Initiators: Catalyst Decomposition and Longevity. <i>Journal of Organic Chemistry</i> , 1999, 64, 7202-7207.	1.7	358
45	Silylation of C-H bonds in aromatic heterocycles by an Earth-abundant metal catalyst. <i>Nature</i> , 2015, 518, 80-84.	13.7	351
46	Rapid self-assembly of brush block copolymers to photonic crystals. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 14332-14336.	3.3	338
47	η^2 -Agostic Interactions and Olefin Insertion in Metallocene Polymerization Catalysts. <i>Accounts of Chemical Research</i> , 1996, 29, 85-93.	7.6	329
48	Improved Ruthenium Catalysts for <i>Z</i> -Selective Olefin Metathesis. <i>Journal of the American Chemical Society</i> , 2012, 134, 693-699.	6.6	323
49	Core-Clickable PEG-Branch-Azide Bivalent-Bottle-Brush Polymers by ROMP: Grafting-Through and Clicking-To. <i>Journal of the American Chemical Society</i> , 2011, 133, 559-566.	6.6	320
50	Synthesis of Trisubstituted Alkenes via Olefin Cross-Metathesis. <i>Organic Letters</i> , 1999, 1, 1751-1753.	2.4	315
51	The application of catalytic ring-closing olefin metathesis to the synthesis of unsaturated oxygen heterocycles. <i>Journal of the American Chemical Society</i> , 1992, 114, 5426-5427.	6.6	313
52	Highly Active Water-Soluble Olefin Metathesis Catalyst. <i>Journal of the American Chemical Society</i> , 2006, 128, 3508-3509.	6.6	313
53	Synthesis, Structure, and Activity of Enhanced Initiators for Olefin Metathesis. <i>Journal of the American Chemical Society</i> , 2003, 125, 10103-10109.	6.6	305
54	Chelated Ruthenium Catalysts for <i>Z</i> -Selective Olefin Metathesis. <i>Journal of the American Chemical Society</i> , 2011, 133, 8525-8527.	6.6	303

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55	Eine Reihe definierter Metathesekatalysatoren – Synthese von und Reaktionen mit $[RuCl_2(PPh_3)_3] \cdot EtOAc$. <i>Journal of Organometallic Chemistry</i> , 1998, 557, 1-14.	1.6	301
56	50th Anniversary Perspective: Living Polymerization – Emphasizing the Molecule in Macromolecules. <i>Macromolecules</i> , 2017, 50, 6979-6997.	2.2	295
57	A Standard System of Characterization for Olefin Metathesis Catalysts. <i>Organometallics</i> , 2006, 25, 5740-5745.	1.1	293
58	Efficient Synthesis of Narrowly Dispersed Brush Polymers via Living Ring-Opening Metathesis Polymerization of Macromonomers. <i>Macromolecules</i> , 2009, 42, 3761-3766.	2.2	293
59	Drug-Loaded, Bivalent-Bottle-Brush Polymers by Graft-through ROMP. <i>Macromolecules</i> , 2010, 43, 10326-10335.	2.2	289
60	Highly Efficient Ruthenium Catalysts for the Formation of Tetrasubstituted Olefins via Ring-Closing Metathesis. <i>Organic Letters</i> , 2007, 9, 1589-1592.	2.4	286
61	Catalytic Ring-Closing Metathesis of Dienes: Application to the Synthesis of Eight-Membered Rings. <i>Journal of the American Chemical Society</i> , 1995, 117, 2108-2109.	6.6	282
62	Living Ring-Opening Metathesis Polymerization in Aqueous Media Catalyzed by Well-Defined Ruthenium Carbene Complexes. <i>Journal of the American Chemical Society</i> , 1996, 118, 784-790.	6.6	282
63	Titanium-mediated methylene-transfer reactions. Direct conversion of esters into vinyl ethers. <i>Journal of the American Chemical Society</i> , 1980, 102, 3270-3272.	6.6	279
64	The synthesis of nitrogen heterocycles via catalytic ring-closing metathesis of dienes. <i>Journal of the American Chemical Society</i> , 1992, 114, 7324-7325.	6.6	277
65	Metathesis of Electron-Rich Olefins: Structure and Reactivity of Electron-Rich Carbene Complexes. <i>Organometallics</i> , 2002, 21, 2153-2164.	1.1	268
66	Ring-Opening Metathesis Polymerization from Surfaces. <i>Journal of the American Chemical Society</i> , 1999, 121, 4088-4089.	6.6	263
67	Purification technique for the removal of ruthenium from olefin metathesis reaction products. <i>Tetrahedron Letters</i> , 1999, 40, 4137-4140.	0.7	261
68	Catalytic organometallic chemistry in water: the aqueous ring-opening metathesis polymerization of 7-oxanorbornene derivatives. <i>Journal of the American Chemical Society</i> , 1988, 110, 7542-7543.	6.6	256
69	Effects of Olefin Substitution on the Ring-Closing Metathesis of Dienes. <i>Journal of Organic Chemistry</i> , 1997, 62, 7310-7318.	1.7	256
70	Tandem Ring Opening – Ring Closing Metathesis of Cyclic Olefins. <i>Journal of the American Chemical Society</i> , 1996, 118, 6634-6640.	6.6	253
71	Synthesis of Water-Soluble, Aliphatic Phosphines and Their Application to Well-Defined Ruthenium Olefin Metathesis Catalysts. <i>Organometallics</i> , 1996, 15, 4317-4325.	1.1	250
72	Synthesis of Functionalized Vinyl Boronates via Ruthenium-Catalyzed Olefin Cross-Metathesis and Subsequent Conversion to Vinyl Halides. <i>Journal of Organic Chemistry</i> , 2003, 68, 6031-6034.	1.7	245

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73	Ring-opening polymerization of norbornene by a living tungsten alkylidene complex. <i>Macromolecules</i> , 1987, 20, 1169-1172.	2.2	238
74	High-Yield Synthesis of [2] Catenanes by Intramolecular Ring-Closing Metathesis. <i>Angewandte Chemie International Edition in English</i> , 1997, 36, 1308-1310.	4.4	238
75	Highly Active Chiral Ruthenium Catalysts for Asymmetric Ring-Closing Olefin Metathesis. <i>Journal of the American Chemical Society</i> , 2006, 128, 1840-1846.	6.6	237
76	The ring opening metathesis polymerization of 7-oxabicyclo[2.2.1]hept-5-ene derivatives: a new acyclic polymeric ionophore. <i>Journal of the American Chemical Society</i> , 1988, 110, 960-961.	6.6	228
77	Reactions of Ruthenium Carbenes of the Type $(PPh_3)_2(X)2Ru:CH-CH:CPh_2$ ($X = Cl$ and CF_3COO) with Strained Acyclic Olefins and Functionalized Olefins. <i>Journal of the American Chemical Society</i> , 1995, 117, 5503-5511.	6.6	227
78	Catalytic reduction of olefins with a polymer-supported rhodium(I) catalyst. <i>Journal of the American Chemical Society</i> , 1971, 93, 3062-3063.	6.6	226
79	Living Ring-Opening Metathesis Polymerization in Water. <i>Journal of the American Chemical Society</i> , 1998, 120, 1627-1628.	6.6	220
80	Tandem Catalysis: Three Mechanistically Distinct Reactions from a Single Ruthenium Complex. <i>Journal of the American Chemical Society</i> , 2000, 122, 12872-12873.	6.6	218
81	Synthesis of Catenane Structures via Ring-Closing Metathesis. <i>Journal of Organic Chemistry</i> , 1999, 64, 5463-5471.	1.7	217
82	Synthesis and Characterization of New Ruthenium-Based Olefin Metathesis Catalysts Coordinated with Bidentate Schiff-Base Ligands. <i>Organometallics</i> , 1998, 17, 3460-3465.	1.1	216
83	Relative Reaction Rates of Olefin Substrates with Ruthenium(II) Carbene Metathesis Initiators ¹ . <i>Organometallics</i> , 1998, 17, 2484-2489.	1.1	216
84	Ring-Closing Metathesis of Olefinic Peptides: Design, Synthesis, and Structural Characterization of Macrocyclic Helical Peptides. <i>Journal of Organic Chemistry</i> , 2001, 66, 5291-5302.	1.7	216
85	Synthesis of Isocyanate-Based Brush Block Copolymers and Their Rapid Self-Assembly to Infrared-Reflecting Photonic Crystals. <i>Journal of the American Chemical Society</i> , 2012, 134, 14249-14254.	6.6	216
86	Water-Soluble Ruthenium Alkylidenes: Synthesis, Characterization, and Application to Olefin Metathesis in Protic Solvents. <i>Journal of the American Chemical Society</i> , 2000, 122, 6601-6609.	6.6	215
87	Synthesis of Glycopolymers of Controlled Molecular Weight by Ring-Opening Metathesis Polymerization Using Well-Defined Functional Group Tolerant Ruthenium Carbene Catalysts. <i>Macromolecules</i> , 1995, 28, 7248-7255.	2.2	213
88	Influence of Perfluoroarene-Arene Interactions on the Phase Behavior of Liquid Crystalline and Polymeric Materials. <i>Angewandte Chemie - International Edition</i> , 1999, 38, 2741-2745.	7.2	209
89	Precisely Tunable Photonic Crystals From Rapidly Self-Assembling Brush Block Copolymer Blends. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 11246-11248.	7.2	207
90	The Synthesis of Cyclic Enol Ethers via Molybdenum Alkylidene-Catalyzed Ring-Closing Metathesis. <i>Journal of Organic Chemistry</i> , 1994, 59, 4029-4031.	1.7	203

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91	Synthesis of Norbornenyl Polymers with Bioactive Oligopeptides by Ring-Opening Metathesis Polymerization. <i>Macromolecules</i> , 2000, 33, 6239-6248.	2.2	200
92	Primary Alcohols from Terminal Olefins: Formal Anti-Markovnikov Hydration via Triple Relay Catalysis. <i>Science</i> , 2011, 333, 1609-1612.	6.0	199
93	Synthesis of cycloalkenes via alkylidene-mediated olefin metathesis and carbonyl olefination. <i>Journal of the American Chemical Society</i> , 1993, 115, 3800-3801.	6.6	197
94	Synthesis of Cyclic Polybutadiene via Ring-Opening Metathesis Polymerization: The Importance of Removing Trace Linear Contaminants. <i>Journal of the American Chemical Society</i> , 2003, 125, 8424-8425.	6.6	197
95	Titanium metallocarbene-metallacyclobutane reactions: stepwise metathesis. <i>Journal of the American Chemical Society</i> , 1980, 102, 6876-6878.	6.6	195
96	Cp ₂ TiCH ₂ complexes in synthetic applications. <i>Pure and Applied Chemistry</i> , 1983, 55, 1733-1744.	0.9	195
97	New Triarylamine-Containing Polymers as Hole Transport Materials in Organic Light-Emitting Diodes: Effect of Polymer Structure and Cross-Linking on Device Characteristics. <i>Chemistry of Materials</i> , 1998, 10, 1668-1676.	3.2	195
98	Latent Ruthenium Olefin Metathesis Catalysts That Contain an N-Heterocyclic Carbene Ligand. <i>Organometallics</i> , 2004, 23, 5399-5401.	1.1	195
99	Synthesis of Conformationally Restricted Amino Acids and Peptides Employing Olefin Metathesis. <i>Journal of the American Chemical Society</i> , 1995, 117, 5855-5856.	6.6	194
100	A neutral, water-soluble olefin metathesis catalyst based on an N-heterocyclic carbene ligand. <i>Tetrahedron Letters</i> , 2005, 46, 2577-2580.	0.7	194
101	Catalytic Ring Closing Metathesis of Diynes: Construction of Fused Bicyclic Rings. <i>Journal of the American Chemical Society</i> , 1994, 116, 10801-10802.	6.6	193
102	Synthesis of Symmetrical Trisubstituted Olefins by Cross Metathesis. <i>Organic Letters</i> , 2002, 4, 1939-1942.	2.4	193
103	Halide, hydride, and alkyl derivatives of (pentamethylcyclopentadienyl)bis(trimethylphosphine)ruthenium. <i>Organometallics</i> , 1984, 3, 274-278.	1.1	191
104	Application of Bottlebrush Block Copolymers as Photonic Crystals. <i>Macromolecular Rapid Communications</i> , 2017, 38, 1700058.	2.0	190
105	The mechanism of aqueous ruthenium(II)-catalyzed olefin isomerization. <i>Organometallics</i> , 1994, 13, 224-235.	1.1	189
106	Ring-Opening Metathesis Polymerization of Functionalized Cyclooctenes by a Ruthenium-Based Metathesis Catalyst. <i>Macromolecules</i> , 1995, 28, 6311-6316.	2.2	189
107	Synthesis of Highly Stable 1,3-Diaryl-1 <i>H</i> -1,2,3-triazol-5-ylidenes and Their Applications in Ruthenium-Catalyzed Olefin Metathesis. <i>Organometallics</i> , 2011, 30, 2617-2627.	1.1	185
108	Linear Rheological Response of a Series of Densely Branched Brush Polymers. <i>Macromolecules</i> , 2011, 44, 6935-6943.	2.2	184

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109	The Catalytic Asymmetric Total Synthesis of Elatol. <i>Journal of the American Chemical Society</i> , 2008, 130, 810-811.	6.6	183
110	Synthesis and Investigation of Homo- and Heterobimetallic Ruthenium Olefin Metathesis Catalysts Exhibiting Increased Activities. <i>Organometallics</i> , 1998, 17, 2758-2767.	1.1	182
111	In Situ Preparation of a Highly Active N-Heterocyclic Carbene-Coordinated Olefin Metathesis Catalyst. <i>Organic Letters</i> , 2000, 2, 3153-3155.	2.4	181
112	Rate Acceleration in Olefin Metathesis through a Fluorine-Ruthenium Interaction. <i>Journal of the American Chemical Society</i> , 2006, 128, 11768-11769.	6.6	181
113	Inhibition of Cell Adhesion to Fibronectin by Oligopeptide-Substituted Polynorbornenes. <i>Journal of the American Chemical Society</i> , 2001, 123, 1275-1279.	6.6	179
114	The syntheses and activities of polystyrene-supported olefin metathesis catalysts based on $\text{Cl}_2(\text{PR}_3)_2\text{Ru} = \text{CH}=\text{CH} = \text{CPh}_2$. <i>Journal of Organometallic Chemistry</i> , 1995, 497, 195-200.	0.8	178
115	Catalytic Ring Closing Metathesis of Dienynes: Construction of Fused Bicyclic [n.m.0] Rings. <i>Journal of Organic Chemistry</i> , 1996, 61, 1073-1081.	1.7	176
116	<i>z</i> -Selectivity in Olefin Metathesis with Chelated Ru Catalysts: Computational Studies of Mechanism and Selectivity. <i>Journal of the American Chemical Society</i> , 2012, 134, 1464-1467.	6.6	176
117	Thin Films of n-Si/Poly-(CH ₃) ₃ Si-Cyclooctatetraene: Conducting-Polymer Solar Cells and Layered Structures. <i>Science</i> , 1990, 249, 1146-1149.	6.0	175
118	Utility of a Ruthenium Metathesis Catalyst for the Preparation of End-Functionalized Polybutadiene. <i>Macromolecules</i> , 1997, 30, 718-721.	2.2	175
119	Application of ¹ H DOSY for Facile Measurement of Polymer Molecular Weights. <i>Macromolecules</i> , 2012, 45, 9595-9603.	2.2	175
120	Cyclic Alkyl Amino Carbene (CAAC) Ruthenium Complexes as Remarkably Active Catalysts for Ethenolysis. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 1919-1923.	7.2	175
121	Mechanism of the olefin metathesis reaction. <i>Journal of the American Chemical Society</i> , 1975, 97, 3265-3267.	6.6	174
122	A New Class of Chelating N-Heterocyclic Carbene Ligands and Their Complexes with Palladium. <i>Organometallics</i> , 2004, 23, 3105-3107.	1.1	174
123	Reactivity of Ru(H)(H ₂)Cl(PCy ₃) ₂ with Propargyl and Vinyl Chlorides: A New Methodology To Give Metathesis-Active Ruthenium Carbenes. <i>Organometallics</i> , 1997, 16, 3867-3869.	1.1	173
124	Stereoselectivity of Macrocyclic Ring-Closing Olefin Metathesis. <i>Organic Letters</i> , 2000, 2, 2145-2147.	2.4	173
125	Small-Molecule N-Heterocyclic-Carbene-Containing Olefin-Metathesis Catalysts for Use in Water. <i>Angewandte Chemie - International Edition</i> , 2007, 46, 5152-5155.	7.2	173
126	Highly Active Ruthenium Metathesis Catalysts Exhibiting Unprecedented Activity and <i>z</i> -Selectivity. <i>Journal of the American Chemical Society</i> , 2013, 135, 1276-1279.	6.6	173

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127	Highly active iron imidazolylidene catalysts for atom transfer radical polymerization. <i>Chemical Communications</i> , 2000, , 1479-1480.	2.2	172
128	Synthesis of End-Functionalized Poly(norbornene)s via Ring-Opening Metathesis Polymerization. <i>Macromolecules</i> , 2001, 34, 8610-8618.	2.2	172
129	Increased Efficiency in Cross-Metathesis Reactions of Sterically Hindered Olefins. <i>Organic Letters</i> , 2008, 10, 441-444.	2.4	164
130	Template-Directed Ring-Closing Metathesis: Synthesis and Polymerization of Unsaturated Crown Ether Analogs. <i>Angewandte Chemie International Edition in English</i> , 1997, 36, 1101-1103.	4.4	160
131	Potassium <i>tert</i> -Butoxide-Catalyzed Dehydrogenative C-H Silylation of Heteroaromatics: A Combined Experimental and Computational Mechanistic Study. <i>Journal of the American Chemical Society</i> , 2017, 139, 6867-6879.	6.6	160
132	Synthesis of α,β -Unsaturated Amides by Olefin Cross-Metathesis. <i>Angewandte Chemie - International Edition</i> , 2001, 40, 1277-1279.	7.2	159
133	Polycyclooctatetraene (polyacetylene): synthesis and properties. <i>Journal of the American Chemical Society</i> , 1988, 110, 7807-7813.	6.6	158
134	Soluble, chiral polyacetylenes: syntheses and investigation of their solution conformation. <i>Journal of the American Chemical Society</i> , 1991, 113, 1704-1712.	6.6	158
135	Ring-Closing Metathesis in Methanol and Water. <i>Journal of Organic Chemistry</i> , 1998, 63, 9904-9909.	1.7	158
136	Ruthenium-Catalyzed Ring-Closing Metathesis to Form Tetrasubstituted Olefins. <i>Organic Letters</i> , 2007, 9, 1339-1342.	2.4	158
137	ABA Triblock Brush Polymers: Synthesis, Self-Assembly, Conductivity, and Rheological Properties. <i>Macromolecules</i> , 2015, 48, 4967-4973.	2.2	157
138	Room-temperature cycling of metal fluoride electrodes: Liquid electrolytes for high-energy fluoride ion cells. <i>Science</i> , 2018, 362, 1144-1148.	6.0	157
139	Linear functionalized polyethylene prepared with highly active neutral Ni(II) complexes. <i>Journal of Polymer Science Part A</i> , 2002, 40, 2842-2854.	2.5	156
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