

Richard Royce Schrock

List of Publications by Year in descending order

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378
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2214

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407
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407
docs citations

407
times ranked

11397
citing authors

#	ARTICLE	IF	CITATIONS
1	Beyond fossil fuelâ€“driven nitrogen transformations. <i>Science</i> , 2018, 360, .	12.6	1,379
2	Catalytic Reduction of Dinitrogen to Ammonia at a Single Molybdenum Center. <i>Science</i> , 2003, 301, 76-78.	12.6	1,250
3	Molybdenum and Tungsten Imido Alkylidene Complexes as Efficient Olefin-Metathesis Catalysts. <i>Angewandte Chemie - International Edition</i> , 2003, 42, 4592-4633.	13.8	1,100
4	Synthesis of molybdenum imido alkylidene complexes and some reactions involving acyclic olefins. <i>Journal of the American Chemical Society</i> , 1990, 112, 3875-3886.	13.7	1,077
5	Multiple Metalâ€“Carbon Bonds for Catalytic Metathesis Reactions (Nobel Lecture). <i>Angewandte Chemie - International Edition</i> , 2006, 45, 3748-3759.	13.8	838
6	High Oxidation State Multiple Metalâ”Carbon Bonds. <i>Chemical Reviews</i> , 2002, 102, 145-180.	47.7	832
7	Catalytic Reduction of Dinitrogen to Ammonia at a Single Molybdenum Center. <i>Accounts of Chemical Research</i> , 2005, 38, 955-962.	15.6	445
8	Preparation and properties of some cationic complexes of rhodium(I) and rhodium(III). <i>Journal of the American Chemical Society</i> , 1971, 93, 2397-2407.	13.7	396
9	Living ring-opening metathesis polymerization of 2,3-difunctionalized norbornadienes by Mo(:CHBu-tert)(:NC ₆ H ₃ Pr-iso ^{2-2,6})(OBu-tert) ₂ . <i>Journal of the American Chemical Society</i> , 1990, 112, 8378-8387.	13.7	391
10	Catalytic hydrogenation using cationic rhodium complexes. I. Evolution of the catalytic system and the hydrogenation of olefins. <i>Journal of the American Chemical Society</i> , 1976, 98, 2134-2143.	13.7	390
11	Olefin metathesis by molybdenum imido alkylidene catalysts. <i>Tetrahedron</i> , 1999, 55, 8141-8153.	1.9	390
12	Recent Advances in High Oxidation State Mo and W Imido Alkylidene Chemistry. <i>Chemical Reviews</i> , 2009, 109, 3211-3226.	47.7	379
13	Catalytic Z-selective olefin cross-metathesis for natural product synthesis. <i>Nature</i> , 2011, 471, 461-466.	27.8	359
14	Synthesis of Titanium and Zirconium Complexes That Contain the Tridentate Diamido Ligand, [((t-Bu-d ₆)N-o-C ₆ H ₄) ₂ O] ₂ -([NON] ₂ -) and the Living Polymerization of 1-Hexene by Activated [NON]ZrMe ₂ . <i>Journal of the American Chemical Society</i> , 1997, 119, 3830-3831.	13.7	346
15	Preparation and reactivity of several alkylidene complexes of the type W(CHR') ₂ (N-2,6-C ₆ H ₃ -iso-Pr ₂)(OR) ₂ and related tungstacyclobutane complexes. Controlling metathesis activity through the choice of alkoxide ligand. <i>Journal of the American Chemical Society</i> , 1988, 110, 1423-1435.	13.7	324
16	Catalytic Asymmetric Olefin Metathesis. <i>Chemistry - A European Journal</i> , 2001, 7, 945-950.	3.3	320
17	Alkylcarbene complex of tantalum by intramolecular .alpha.-hydrogen abstraction. <i>Journal of the American Chemical Society</i> , 1974, 96, 6796-6797.	13.7	319
18	Transition Metal Complexes That Contain a Triamidoamine Ligand. <i>Accounts of Chemical Research</i> , 1997, 30, 9-16.	15.6	312

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19	Living ring-opening metathesis polymerization of 2,3-difunctionalized 7-oxanorbornenes and 7-oxanorbornadienes by Mo(CHCMe ₂ R)(NC ₆ H ₃ -iso-Pr ₂ -2,6)(O-tert-Bu) ₂ and Mo(CHCMe ₂ R)(NC ₆ H ₃ -iso-Pr ₂ -2,6)(OCMe ₂ CF ₃) ₂ . Journal of the American Chemical Society, 1991, 113, 6899-6907.	13.7	303
20	Catalytic Reduction of Dinitrogen to Ammonia by Molybdenum: Theory versus Experiment. Angewandte Chemie - International Edition, 2008, 47, 5512-5522.	13.8	303
21	Multiple metal-carbon bonds. 8. Preparation, characterization, and mechanism of formation of the tantalum and niobium neopentylidene complexes, M(CH ₂ CMe ₃) ₃ (CHCMe ₃). Journal of the American Chemical Society, 1978, 100, 3359-3370.	13.7	295
22	Further studies of imido alkylidene complexes of tungsten, well-characterized olefin metathesis catalysts with controllable activity. Organometallics, 1990, 9, 2262-2275.	2.3	277
23	Highly efficient molybdenum-based catalysts for enantioselective alkene metathesis. Nature, 2008, 456, 933-937.	27.8	271
24	Multiple metal carbon bonds. 35. A general route to tri-tert-butoxytungsten alkylidyne complexes. Scission of acetylenes by ditungsten hexa-tert-butoxide. Organometallics, 1985, 4, 74-83.	2.3	268
25	Reduction of Dinitrogen to Ammonia at a Well-Protected Reaction Site in a Molybdenum Triamidoamine Complex. Journal of the American Chemical Society, 2002, 124, 6252-6253.	13.7	264
26	Metathesis of acetylenes by tungsten(VI)-alkylidyne complexes. Journal of the American Chemical Society, 1981, 103, 3932-3934.	13.7	257
27	High-oxidation-state molybdenum and tungsten alkylidyne complexes. Accounts of Chemical Research, 1986, 19, 342-348.	15.6	246
28	Multiple metal-carbon bonds. 43. Well-characterized, highly active, Lewis acid free olefin metathesis catalysts. Journal of the American Chemical Society, 1986, 108, 2771-2773.	13.7	238
29	Catalytic Enantioselective Ring-Closing Metathesis by a Chiral Biphenyl-Mo Complex. Journal of the American Chemical Society, 1998, 120, 4041-4042.	13.7	231
30	Living Cyclopolymerization of 1,6-Heptadiyne Derivatives Using Well-Defined Alkylidene Complexes: Polymerization Mechanism, Polymer Structure, and Polymer Properties. Journal of the American Chemical Society, 1994, 116, 2827-2843.	13.7	228
31	<i>Z</i> -Selective Olefin Metathesis Processes Catalyzed by a Molybdenum Hexaisopropylterphenoxide Monopyrrolide Complex. Journal of the American Chemical Society, 2009, 131, 7962-7963.	13.7	224
32	Ligand variation in alkylidene complexes of the type Mo(CHR)(NR ₂)(OR ₃) ₂ . Journal of Organometallic Chemistry, 1993, 459, 185-198.	1.8	222
33	Highly <i>Z</i> - and Enantioselective Ring-Opening/Cross-Metathesis Reactions Catalyzed by Stereogenic-at-Mo Adamantylimido Complexes. Journal of the American Chemical Society, 2009, 131, 3844-3845.	13.7	215
34	Metathesis of tungsten-tungsten triple bonds with acetylenes and nitriles to give alkylidyne and nitrido complexes. Journal of the American Chemical Society, 1982, 104, 4291-4293.	13.7	214
35	The alkoxide ligand in olefin and acetylene metathesis reactions. Polyhedron, 1995, 14, 3177-3195.	2.2	212
36	Studies Relevant to Catalytic Reduction of Dinitrogen to Ammonia by Molybdenum Triamidoamine Complexes. Inorganic Chemistry, 2005, 44, 1103-1117.	4.0	210

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37	Synthesis of macrocyclic natural products by catalyst-controlled stereoselective ring-closing metathesis. <i>Nature</i> , 2011, 479, 88-93.	27.8	208
38	Highly <i>Z</i> -Selective Metathesis Homocoupling of Terminal Olefins. <i>Journal of the American Chemical Society</i> , 2009, 131, 16630-16631.	13.7	204
39	Synthesis of chiral molybdenum ROMP initiators and all-cis highly tactic poly(2,3-(R) ² norbornadiene) (R = CF ₃ or CO ₂ Me). <i>Journal of the American Chemical Society</i> , 1993, 115, 4413-4414.	13.7	203
40	Synthesis of Stereoregular Polymers through Ring-Opening Metathesis Polymerization. <i>Accounts of Chemical Research</i> , 2014, 47, 2457-2466.	15.6	203
41	First isolable transition metal methylene complex and analogs. Characterization, mode of decomposition, and some simple reactions. <i>Journal of the American Chemical Society</i> , 1975, 97, 6577-6578.	13.7	200
42	Rotational isomers of molybdenum(VI) alkylidene complexes and cis/trans polymer structure: investigations in ring-opening metathesis polymerization. <i>Journal of the American Chemical Society</i> , 1993, 115, 11831-11845.	13.7	200
43	Metathesis of acetylenes by (fluoroalkoxy)tungstenacyclobutadiene complexes and the crystal structure of W(C ₃ Et ₃)[OCH(CF ₃) ₂] ₃ . A higher order mechanism for acetylene metathesis. <i>Organometallics</i> , 1984, 3, 1563-1573.	2.3	190
44	Molybdenum Triamidoamine Complexes that Contain Hexa- <i>tert</i> -butylterphenyl, Hexamethylterphenyl, or <i>o</i> -Bromohexaisopropylterphenyl Substituents. An Examination of Some Catalyst Variations for the Catalytic Reduction of Dinitrogen. <i>Journal of the American Chemical Society</i> , 2004, 126, 6150-6163.	13.7	186
45	Multiple metal-carbon bonds. 16. Tungsten-oxo alkylidene complexes as olefins metathesis catalysts		

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55	Direct synthesis of Z-alkenyl halides through catalytic cross-metathesis. <i>Nature</i> , 2016, 531, 459-465.	27.8	159
56	Simple, high yield syntheses of molybdenum(VI) bis(imido) complexes of the type Mo(NR) ₂ Cl ₂ (1,2-dimethoxyethane). <i>Inorganic Chemistry</i> , 1992, 31, 2287-2289.	4.0	158
57	Recent advances in olefin metathesis by molybdenum and tungsten imido alkylidene complexes. <i>Journal of Molecular Catalysis A</i> , 2004, 213, 21-30.	4.8	157
58	Multiple metal-carbon bonds. 5. The reaction of niobium and tantalum neopentylidene complexes with the carbonyl function. <i>Journal of the American Chemical Society</i> , 1976, 98, 5399-5400.	13.7	155
59	Surface versus Molecular Siloxy Ligands in Well-Defined Olefin Metathesis Catalysts: [(RO) ₃ SiO]Mo(=NAr)(=CHtBu)(CH ₂ tBu). <i>Angewandte Chemie - International Edition</i> , 2006, 45, 1216-1220.	13.8	155
60	Titanium and Zirconium Complexes That Contain the Tridentate Diamido Ligands [(i-PrN-o-C ₆ H ₄) ₂ O] ₂ -([i-PrNON]2-) and [(C ₆ H ₁₁ N-o-C ₆ H ₄) ₂ O] ₂ -([CyNON]2-). <i>Journal of the American Chemical Society</i> , 1999, 121, 7822-7836.	13.7	154
61	Living Polymerization of (o-(Trimethylsilyl)phenyl)acetylene by Molybdenum Imido Alkylidene Complexes. <i>Journal of the American Chemical Society</i> , 1996, 118, 3883-3895.	13.7	152
62	A Well-Defined, Silica-Supported Tungsten Imido Alkylidene Olefin Metathesis Catalyst. <i>Organometallics</i> , 2006, 25, 3554-3557.	2.3	152
63	Synthetic and Mechanistic Investigations of Trimethylsilyl-Substituted Triamidoamine Complexes of Tantalum That Contain Metal-Ligand Multiple Bonds. <i>Journal of the American Chemical Society</i> , 1996, 118, 3643-3655.	13.7	147
64	Preparation and characterization of M(CH ₃) ₅ (M = Nb or Ta) and Ta(CH ₂ C ₆ H ₅) ₅ and evidence for decomposition by β -hydrogen atom abstraction. <i>Journal of Organometallic Chemistry</i> , 1976, 122, 209-225.	1.8	142
65	Cleavage of dinitrogen to yield a (t-BuPOCOP)molybdenum(IV) nitride. <i>Chemical Communications</i> , 2012, 48, 1851.	4.1	142
66	Reaction of tungsten(VI) alkylidyne complexes with acetylenes to give tungstenacyclobutadiene and cyclopentadienyl complexes. <i>Journal of the American Chemical Society</i> , 1982, 104, 6808-6809.	13.7	139
67	Synthesis of five- and six-coordinate alkylidene complexes of the type Mo(CHR)(NAr)[OCMe(CF ₃) ₂] ₂ S _x and their use as living ROMP initiators or Wittig reagents. <i>Organometallics</i> , 1993, 12, 759-768.	2.3	132
68	A Readily Available and User-Friendly Chiral Catalyst for Efficient Enantioselective Olefin Metathesis. <i>Angewandte Chemie - International Edition</i> , 2001, 40, 1452-1456.	13.8	132
69	Molybdenum chloride catalysts for Z-selective olefin metathesis reactions. <i>Nature</i> , 2017, 542, 80-85.	27.8	132
70	Synthesis of Terminal Vanadium(V) Imido, Oxo, Sulfido, Selenido, and Tellurido Complexes by Imido Group or Chalcogenide Atom Transfer to Trigonal Monopyramidal V[N ₃ N] (N ₃ N =) Tj ETQqO O O rgBT /Overlock 104160 137161 ((Me ₃	13.7	131
71	Synthesis of Group 4 Complexes that Contain the Diamidoamine Ligands, [(2,4,6-Me ₃ C ₆ H ₂ NCH ₂ CH ₂) ₂ NR] ₂ -([Mes ₂ N ₂ NR] ₂ ; R = H or CH ₃), and Polymerization of 1-Hexene by Activated [Mes ₂ N ₂ NR]ZrMe ₂ Complexes. <i>Journal of the American Chemical Society</i> , 1999, 121, 5797-5798.	13.7	131
72	Enantioselective Synthesis of Unsaturated Cyclic Tertiary Ethers By Mo-Catalyzed Olefin Metathesis. <i>Journal of the American Chemical Society</i> , 2001, 123, 3139-3140.	13.7	130

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73	Synthesis of stereoregular ROMP polymers using molybdenum and tungsten imido alkylidene initiators. Dalton Transactions, 2011, 40, 7484.	3.3	130
74	Tandem Catalytic Asymmetric Ring-Opening Metathesis/Ring-Closing Metathesis. Journal of the American Chemical Society, 2000, 122, 1828-1829.	13.7	129
75	Reduction of Dinitrogen to Ammonia Catalyzed by Molybdenum Diamido Complexes. Journal of the American Chemical Society, 2017, 139, 9132-9135.	13.7	129
76	Recent Advances in the Chemistry of σ -Alkylidene and Metallacyclobutane Complexes. Progress in Inorganic Chemistry, 0, , 1-74.	3.0	129
77	Enantioselective Synthesis of β -Stereogenic Phosphinates and Phosphine Oxides by Molybdenum-Catalyzed Asymmetric Ring-Closing Metathesis. Angewandte Chemie - International Edition, 2009, 48, 762-766.	13.8	126
78	Monoadducts of imido alkylidene complexes, syn and anti rotamers, and alkylidene ligand rotation. Organometallics, 1991, 10, 1832-1843.	2.3	125
79	<i>Z</i> -Selective Olefin Metathesis Reactions Promoted by Tungsten Oxo Alkylidene Complexes. Journal of the American Chemical Society, 2011, 133, 20754-20757.	13.7	125
80	Preparation of Biscarboxylato Imido Alkylidene Complexes of Molybdenum and Cyclopolymerization of Diethylidipropargylmalonate To Give a Polyene Containing only Six-Membered Rings. Journal of the American Chemical Society, 1996, 118, 3295-3296.	13.7	124
81	Transition metal-carbon multiple bonds. Dalton Transactions RSC, 2001, , 2541-2550.	2.3	123
82	Efficient Catalytic Enantioselective Synthesis of Unsaturated Amines: Preparation of Small- and Medium-Ring Cyclic Amines through Mo-Catalyzed Asymmetric Ring-Closing Metathesis in the Absence of Solvent. Journal of the American Chemical Society, 2002, 124, 6991-6997.	13.7	123
83	Catalytic reduction of dinitrogen to ammonia at a single molybdenum center. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 17099-17106.	7.1	123
84	Metathesis of acetylenes by triphenoxytungstenacyclobutadiene complexes and the crystal structure of $W(C_3Et_3)[O-2,6-C_6H_3(i-Pr)_2]_3$. Organometallics, 1984, 3, 1554-1562.	2.3	122
85	Preparation of Sugar-Coated Homopolymers and Multiblock ROMP Copolymers. Macromolecules, 1996, 29, 540-545.	4.8	119
86	High oxidation state alkylidene and alkylidyne complexes. Chemical Communications, 2005, , 2773.	4.1	119
87	Synthesis of <i>cis,syndiotactic</i> ROMP Polymers Containing Alternating Enantiomers. Journal of the American Chemical Society, 2011, 133, 1784-1786.	13.7	118
88	Synthesis of <i>Z</i> -(Pinacolato)allylboron and <i>Z</i> -(Pinacolato)alkenylboron Compounds through Stereoselective Catalytic Cross-Metathesis. Journal of the American Chemical Society, 2013, 135, 6026-6029.	13.7	118
89	Ethenolysis Reactions Catalyzed by Imido Alkylidene Monoaryloxo Monopyrrolide (MAP) Complexes of Molybdenum. Journal of the American Chemical Society, 2009, 131, 10840-10841.	13.7	116
90	Trigonal-Monopyramidal MIII Complexes of the Type $[M(N_3N)]$ (M= Ti, V, Cr, Mn, Fe; Nj ETQq0 0 0 rgBT /Overlock 10 Tf 50 62 Td (N3N=	4.4	115

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91	Catalytic Asymmetric Ring-Opening Metathesis/Cross Metathesis (AROM/CM) Reactions. Mechanism and Application to Enantioselective Synthesis of Functionalized Cyclopentanes. <i>Journal of the American Chemical Society</i> , 2001, 123, 7767-7778.	13.7	114
92	Kinetically controlled <i>E</i> -selective catalytic olefin metathesis. <i>Science</i> , 2016, 352, 569-575.	12.6	114
93	Ring Opening Metathesis Polymerization with Binaphtholate or Biphenolate Complexes of Molybdenum. <i>Macromolecules</i> , 1996, 29, 6114-6125.	4.8	112
94	<i>Z</i> -Selective and Syndioselective Ring-Opening Metathesis Polymerization (ROMP) Initiated by Monoaryloxidepyrrolide (MAP) Catalysts. <i>Macromolecules</i> , 2010, 43, 7515-7522.	4.8	110
95	Synthesis of Molybdenum Complexes That Contain Silylated Triamidoamine Ligands. A μ -Dinitrogen Complex, Methyl and Acetylide Complexes, and Coupling of Acetylides. <i>Journal of the American Chemical Society</i> , 1994, 116, 8804-8805.	13.7	109
96	The First Polymer-Supported and Recyclable Chiral Catalyst for Enantioselective Olefin Metathesis. <i>Angewandte Chemie - International Edition</i> , 2002, 41, 589-593.	13.8	108
97	Efficient and Selective Formation of Macrocyclic Disubstituted <i>Z</i> Alkenes by Ring-Closing Metathesis (RCM) Reactions Catalyzed by Mo- or W-Based Monoaryloxide Pyrrolide (MAP) Complexes: Applications to Total Syntheses of Epilachnene, Yuzu Lactone, Ambrettolide, Epothilone C, and Nakadomarin A. <i>Chemistry - A European Journal</i> , 2013, 19, 2726-2740.	3.3	108
98	Rate of interconversion of syn and anti rotamers of Mo(CHCMe ₂ Ph)(NAr)(OR) ₂ and relative reactivity toward 2,3-bis(trifluoromethyl)norbornadiene. <i>Journal of the American Chemical Society</i> , 1992, 114, 7588-7590.	13.7	106
99	Synthesis and Decomposition of Alkyl Complexes of Molybdenum(IV) That Contain a [(Me ₃ SiNCH ₂ CH ₂) ₃ N] ₃ -Ligand. Direct Detection of <i>1</i> [±] -Elimination Processes That Are More than Six Orders of Magnitude Faster than <i>1</i> ² -Elimination Processes. <i>Journal of the American Chemical Society</i> , 1997, 119, 11876-11893.	13.7	106
100	Tandem Catalytic Asymmetric Ring-Opening Metathesis/Cross Metathesis. <i>Journal of the American Chemical Society</i> , 1999, 121, 11603-11604.	13.7	106
101	Dipyrrolyl Precursors to Bisalkoxide Molybdenum Olefin Metathesis Catalysts. <i>Journal of the American Chemical Society</i> , 2006, 128, 16373-16375.	13.7	105
102	Multiple metal-carbon bonds. 34. Metathesis of acetylenes by molybdenum(VI) alkylidyne complexes. <i>Journal of the American Chemical Society</i> , 1984, 106, 4067-4068.	13.7	102
103	Exploring Factors That Determine Cis/Trans Structure and Tacticity in Polymers Prepared by Ring-Opening Metathesis Polymerizations with Initiators of the Type syn- and anti-Mo(NAr)(CHCMe ₂ Ph)(OR) ₂ . Observation of a Temperature-Dependent Cis/Trans Ratio. <i>Macromolecules</i> , 1995, 28, 5933-5940.	4.8	101
104	A well-defined rhenium(VII) olefin metathesis catalyst. <i>Journal of the American Chemical Society</i> , 1990, 112, 2448-2449.	13.7	99
105	Ring-opening polymerization of norbornene by a tantalum catalyst: a living polymerization. <i>Macromolecules</i> , 1987, 20, 448-450.	4.8	98
106	Reaction of neopentylidene complexes of the type M(CH-t-Bu)(N-2,6-C ₆ H ₃ -i-Pr ₂)(OR) ₂ (M = W, Mo) with methyl acrylate and N,N-dimethylacrylamide to give metallacyclobutane complexes. <i>Organometallics</i> , 1989, 8, 2260-2265.	2.3	98
107	Alkylidene and Metallacyclic Complexes of Tungsten that Contain a Chiral Biphenoxide Ligand. Synthesis, Asymmetric Ring-Closing Metathesis, and Mechanistic Investigations. <i>Journal of the American Chemical Society</i> , 2003, 125, 2652-2666.	13.7	98
108	Dynamics of Silica-Supported Catalysts Determined by Combining Solid-State NMR Spectroscopy and DFT Calculations. <i>Journal of the American Chemical Society</i> , 2008, 130, 5886-5900.	13.7	98

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109	Formation of cyclopentadienyl complexes from tungstenacyclobutadiene complexes and the x-ray crystal structure of an η^3 -cyclopropenyl complex, $W[C(CMe_3)C(Me)C(Me)](Me_2NCH_2CH_2NMe_2)Cl_3$. <i>Organometallics</i> , 1984, 3, 1574-1583.	2.3	97
110	Living Polymerization of (o-(Trimethylsilyl)phenyl)acetylene Using "Small Alkoxide" Molybdenum(VI) Initiators. <i>Organometallics</i> , 1994, 13, 3396-3398.	2.3	97
111	Synthesis and characterization of tungsten oxo neopentylidene complexes. <i>Organometallics</i> , 1982, 1, 148-155.	2.3	96
112	Reduction of dinitrogen. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006, 103, 17087-17087.	7.1	96
113	Enol Ethers as Substrates for Efficient Z- and Enantioselective Ring-Opening/Cross-Metathesis Reactions Promoted by Stereogenic-at-Mo Complexes: Utility in Chemical Synthesis and Mechanistic Attributes. <i>Journal of the American Chemical Society</i> , 2012, 134, 2788-2799.	13.7	96
114	<i>endo</i> -Selective Enyne Ring-Closing Metathesis Promoted by Stereogenic-at-Mo Monoalkoxide and Monoaryloxide Complexes. Efficient Synthesis of Cyclic Dienes Not Accessible through Reactions with Ru Carbenes. <i>Journal of the American Chemical Society</i> , 2009, 131, 10652-10661.	13.7	94
115	Triamidoamine Complexes of Molybdenum and Tungsten That Contain Metal π E (E = N, P, and As) Single, Double, or Triple Bonds. <i>Journal of the American Chemical Society</i> , 1997, 119, 11037-11048.	13.7	93
116	Olefin Metathesis by Well-Defined Complexes of Molybdenum and Tungsten. <i>Topics in Organometallic Chemistry</i> , 1998, , 1-36.	0.7	93
117	Room-Temperature <i>endo</i> -Selective Homocoupling of α -Olefins by Tungsten Catalysts. <i>Organometallics</i> , 2011, 30, 1780-1782.	2.3	93
118	Tantalum carbyne complex. <i>Journal of the American Chemical Society</i> , 1975, 97, 2935-2935.	13.7	92
119	Enhancement of Enantioselectivity by THF in Asymmetric Mo-Catalyzed Olefin Metathesis. Catalytic Enantioselective Synthesis of Cyclic Tertiary Ethers and Spirocycles. <i>Journal of the American Chemical Society</i> , 2002, 124, 10779-10784.	13.7	92
120	Highly Active, Stable, and Selective Well-Defined Silica Supported Mo Imido Olefin Metathesis Catalysts. <i>Journal of the American Chemical Society</i> , 2007, 129, 1044-1045.	13.7	92
121	Multiple metal-carbon bonds. 15. Octahedral alkylidene complexes of niobium and tantalum by ligand-promoted α -abstraction. <i>Journal of the American Chemical Society</i> , 1980, 102, 6236-6244.	13.7	91
122	Enantioselective Synthesis of Medium-Ring Heterocycles, Tertiary Ethers, and Tertiary Alcohols by Mo π -Catalyzed Ring-Closing Metathesis. <i>Journal of the American Chemical Society</i> , 2002, 124, 2868-2869.	13.7	91
123	Synthesis of Titanium, Zirconium, and Hafnium Complexes that Contain Diamido Donor Ligands of the Type [(t-BuN-o-C ₆ H ₄) ₂ O] ₂ and an Evaluation of Activated Versions for the Polymerization of 1-Hexene. <i>Organometallics</i> , 1999, 18, 3649-3670.	2.3	90
124	Multiple metal-carbon bonds. 32. Rhenium(VII) neopentylidene and neopentylidyne complexes and the x-ray structure of $Re(CMe_3)(CHCMe_3)(C_5H_5N)_2$. <i>Organometallics</i> , 1983, 2, 1505-1513.	2.3	89
125	α -Elimination Can Be Faster than β -Elimination in d^2 Alkyl Complexes of Molybdenum and Tungsten That Contain the Trimethylsilyl-Substituted Triamidoamine Ligand. <i>Journal of the American Chemical Society</i> , 1995, 117, 6609-6610.	13.7	89
126	Synthesis and characterization of rhenium(VII) alkylidene alkylidyne complexes of the type $Re(CR')(CHR')(OR)_2$ and related species. <i>Journal of the American Chemical Society</i> , 1992, 114, 3367-3380.	13.7	88

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127	Synthesis of Molybdenum Imido Alkylidene Complexes That Contain 3,3-Dialkyl-5,5,6,6-tetramethyl-1,1-biphenyl-2,2-diolates (Alkyl = t-Bu, Adamantyl). Catalysts for Enantioselective Olefin Metathesis Reactions. <i>Organometallics</i> , 2000, 19, 3700-3715.	2.3	88
128	Multiple metal-carbon bonds. 27. Preparation of tungsten(VI) phenylimido alkyl and alkylidene complexes. <i>Journal of the American Chemical Society</i> , 1982, 104, 7483-7491.	13.7	87
129	Synthesis of Monoalkoxide Monopyrrolyl Complexes Mo(NR)(CHR)(OR)(pyrrolyl): Enyne Metathesis with High Oxidation State Catalysts. <i>Journal of the American Chemical Society</i> , 2007, 129, 12654-12655.	13.7	87
130	Metathetical reactions of rhenium(VII) alkylidene-alkylidyne complexes of the type Re(CR')(CHR')[OCMe(CF ₃) ₂] ₂ (R' = CMe ₃ or CMe ₂ Ph) with terminal and internal olefins. <i>Journal of the American Chemical Society</i> , 1993, 115, 127-137.	13.7	86
131	Efficient Enantioselective Synthesis of Piperidines through Catalytic Asymmetric Ring-Opening/Cross-Metathesis Reactions. <i>Angewandte Chemie - International Edition</i> , 2007, 46, 4534-4538.	13.8	86
132	Direct observation of reaction intermediates for a well defined heterogeneous alkene metathesis catalyst. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008, 105, 12123-12127.	7.1	86
133	Metallacyclopentane to metallacyclobutane ring contraction. <i>Journal of the American Chemical Society</i> , 1979, 101, 5451-5453.	13.7	85
134	Fixation of Dinitrogen by Molybdenum and the Formation of a Trigonal Planar Iron-Tris[molybdenum(dinitrogen)] Complex. <i>Journal of the American Chemical Society</i> , 1997, 119, 2753-2754.	13.7	85
135	A Comparison of Cationic Zirconium Methyl and Isobutyl Initiators that Contain an Arylated Diamido-Pyridine Ligand for Polymerization of 1-Hexene. Elucidation of a Dramatic Initiator Effect. <i>Journal of the American Chemical Society</i> , 2000, 122, 7841-7842.	13.7	85
136	Reduction of molybdenum imido-alkylidene complexes in the presence of olefins to give molybdenum(IV) complexes. <i>Organometallics</i> , 1991, 10, 2902-2907.	2.3	84
137	Asymmetric Catalysis Special Feature Part II: Mo-catalyzed asymmetric olefin metathesis in target-oriented synthesis: Enantioselective synthesis of (+)-africanol. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2004, 101, 5805-5809.	7.1	84
138	Preparation and reactivity of tungsten(VI) metallacyclobutane complexes. Square pyramids versus trigonal bipyramids. <i>Organometallics</i> , 1990, 9, 2535-2548.	2.3	83
139	Z-Selective Metathesis Homocoupling of 1,3-Dienes by Molybdenum and Tungsten Monoaryloxide Pyrrolide (MAP) Complexes. <i>Journal of the American Chemical Society</i> , 2012, 134, 11334-11337.	13.7	83
140	A Well-Defined Silica-Supported Tungsten Oxo Alkylidene Is a Highly Active Alkene Metathesis Catalyst. <i>Journal of the American Chemical Society</i> , 2013, 135, 19068-19070.	13.7	83
141	Molybdenum-Based Complexes with Two Aryloxides and a Pentafluoroimido Ligand: Catalysts for Efficient Selective Synthesis of a Macrocyclic Trisubstituted Alkene by Ring-Closing Metathesis. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 1939-1943.	13.8	83
142	Derivatization of Dinitrogen by Molybdenum in Triamidoamine Complexes. <i>Inorganic Chemistry</i> , 1998, 37, 5149-5158.	4.0	82
143	Synthesis of Group 4 Complexes That Contain the Tridentate Diamido/Donor Ligands [(ArylNCH ₂ CH ₂) ₂ O] ₂ - and Zirconium Complexes That Contain [(ArylNCH ₂ CH ₂) ₂ S] ₂ - and an Evaluation of Their Activity for the Polymerization of 1-Hexene. <i>Organometallics</i> , 1998, 17, 4795-4812.	2.3	82
144	Catalytic reduction of dinitrogen under mild conditions. <i>Chemical Communications</i> , 2003, , 2389.	4.1	82

#	ARTICLE	IF	CITATIONS
145	Molybdenum Imido Alkylidene Metathesis Catalysts That Contain Electron-Withdrawing Biphenolates or Binaphtholates. <i>Organometallics</i> , 2007, 26, 2528-2539.	2.3	81
146	Synthesis and Decomposition of Alkyl Complexes of Tungsten(IV) That Contain a [(Me ₃ SiNCH ₂ CH ₂) ₃ N] ₃ -Ligand. <i>Organometallics</i> , 1997, 16, 5195-5208.	2.3	79
147	CH Bond Activation in Cations of the Type {[2,4,6-Me ₃ C ₆ H ₂ NCH ₂ CH ₂) ₂ NMe]ZrR} ⁺ and a Simple Solution that Yields a Catalyst for the Living Polymerization of 1-Hexene. <i>Organometallics</i> , 2001, 20, 1056-1058.	2.3	78
148	Dramatic Improvements of Well-Defined Silica Supported Mo-Based Olefin Metathesis Catalysts by Tuning the N-Containing Ligands. <i>Journal of the American Chemical Society</i> , 2007, 129, 8434-8435.	13.7	78
149	Fundamental Studies of Tungsten Alkylidene Imido Monoalkoxidepyrrolide Complexes. <i>Journal of the American Chemical Society</i> , 2009, 131, 7770-7780.	13.7	78
150	Low-temperature neutron diffraction studies of carbon-hydrogen-metal interactions in two tantalum-neopentylidene complexes: [Ta(CHCMe ₃)(PMe ₃)Cl ₃] ₂ [T = 110 K] and the first alkylidene/olefin complex, Ta(.eta. ⁵ -C ₅ Me ₅)(CHCMe ₃)(.eta. ² -C ₂ H ₄)(PMe ₃) [T = 20 K]. <i>Journal of the American Chemical Society</i> , 1981, 103, 169-176.	13.7	76
151	Enantioselective Synthesis of Cyclic Secondary Amines through Mo-Catalyzed Asymmetric Ring-Closing Metathesis (ARCM). <i>Organic Letters</i> , 2003, 5, 4899-4902.	4.6	76
152	Supported Chiral Mo-Based Complexes as Efficient Catalysts for Enantioselective Olefin Metathesis. <i>Journal of the American Chemical Society</i> , 2004, 126, 10945-10953.	13.7	76
153	Kinetically E-selective macrocyclic ring-closing metathesis. <i>Nature</i> , 2017, 541, 380-385.	27.8	76
154	Alkyne metathesis by molybdenum and tungsten alkylidyne complexes. <i>Chemical Communications</i> , 2013, 49, 5529.	4.1	75
155	Stereospecific Ring-Opening Metathesis Polymerization (ROMP) of <i>cis</i> -Dicyclopentadiene by Molybdenum and Tungsten Catalysts. <i>Macromolecules</i> , 2015, 48, 2480-2492.	4.8	75
156	Synthesis of E- and Z-trisubstituted alkenes by catalytic cross-metathesis. <i>Nature</i> , 2017, 552, 347-354.	27.8	75
157	An Enantiomerically Pure Adamantylimido Molybdenum Alkylidene Complex. An Effective New Catalyst for Enantioselective Olefin Metathesis. <i>Journal of the American Chemical Society</i> , 2003, 125, 2591-2596.	13.7	74
158	Comparison of Ru- and Mo-Based Chiral Olefin Metathesis Catalysts. Complementarity in Asymmetric Ring-Opening/Cross-Metathesis Reactions of Oxa- and Azabicycles. <i>Organic Letters</i> , 2007, 9, 2871-2874.	4.6	74
159	Evaluation of Molybdenum and Tungsten Metathesis Catalysts for Homogeneous Tandem Alkane Metathesis. <i>Organometallics</i> , 2009, 28, 355-360.	2.3	74
160	Modular Mo-based catalysts for efficient asymmetric olefin metathesis. Catalytic enantioselective synthesis of cyclic ethers and acetals. <i>Tetrahedron Letters</i> , 2000, 41, 9553-9559.	1.4	73
161	Living Ring-Opening Metathesis Polymerization of Cyclopropenes. <i>Macromolecules</i> , 2006, 39, 1316-1317.	4.8	73
162	Multiple metal carbon bonds. Part 29. Facile conversion of tungsten(VI) neopentylidyne complexes into oxo and imido neopentylidene complexes and the crystal structure of W(CCMe ₃)(PPh)(PEt ₃) ₂ Cl ₂ . <i>Organometallics</i> , 1982, 1, 1332-1338.	2.3	72

#	ARTICLE	IF	CITATIONS
163	Electroluminescence from New Polynorbornenes That Contain Blue-Light-Emitting and Charge-Transport Side Chains. <i>Macromolecules</i> , 1997, 30, 3553-3559.	4.8	72
164	Organometallic Complexes of Tantalum That Contain the Triamidoamine Ligand, [(Me ₃ SiNCH ₂ CH ₂) ₃ N] ₃ -, Including an Ethylidene Complex Formed via a Phosphine-Catalyzed Rearrangement of an Ethylene Complex. <i>Journal of the American Chemical Society</i> , 1994, 116, 6476-6477.	13.7	71
165	NMR detection of living intermediates prepared from activated [NON]ZrMe ₂ ([NON]2 ⁺ =[(t-Bu-d ₆ -N-o-C ₆ H ₄) ₂ O] ₂ ⁺) and olefins. <i>Journal of Organometallic Chemistry</i> , 1998, 557, 69-75.	1.8	71
166	New Chiral Molybdenum Catalysts for Asymmetric Olefin Metathesis that Contain 3,3 ⁻ -Disubstituted Octahydrobinaphtholate or 2,6-Dichlorophenylimido Ligands. <i>Organometallics</i> , 2002, 21, 409-417.	2.3	71
167	The discovery of Mo(III) in FeMoco: reuniting enzyme and model chemistry. <i>Journal of Biological Inorganic Chemistry</i> , 2015, 20, 447-460.	2.6	71
168	Phosphinidentantal(v)-Komplexe des Typs [(N ₃)Ta(μ ³ -PR) ₃] als Phospha-Wittig-Reagentien (R = Ph,) <i>Tj ETQq0 0 0 rgB</i> 758-761.	2.0	70
169	Synthesis of Molybdenum Complexes that Contain ⁻ Hybrid ⁻ Triamidoamine Ligands, [(Hexaisopropylterphenyl-NCH ₂ CH ₂) ₂ NCH ₂ CH ₂ N-aryl] ₃ -, and Studies Relevant to Catalytic Reduction of Dinitrogen. <i>Inorganic Chemistry</i> , 2006, 45, 9185-9196.	4.0	70
170	Tantalum complexes containing diimido bridging dinitrogen ligands. <i>Journal of the American Chemical Society</i> , 1980, 102, 7809-7811.	13.7	69
171	The Significance of Degenerate Processes to Enantioselective Olefin Metathesis Reactions Promoted by Stereogenic-at-Mo Complexes. <i>Journal of the American Chemical Society</i> , 2009, 131, 16407-16409.	13.7	68
172	Catalytic <i>Z</i> -Selective Cross-Metathesis in Complex Molecule Synthesis: A Convergent Stereoselective Route to Disorazole C ₁ . <i>Journal of the American Chemical Society</i> , 2014, 136, 16136-16139.	13.7	68
173	A molecule containing the OWOWO unit. Synthesis, structure and spectroscopy of hexaneopentyltungsten trioxide. <i>Journal of the American Chemical Society</i> , 1984, 106, 6305-6310.	13.7	65
174	Preparation and Activation of Complexes of the Type [((mesityl)NCH ₂ CH ₂) ₂ NX]ZrMe ₂ (X = H, Me) with [Ph ₃ C][B(C ₆ F ₅) ₄] or [PhNMe ₂ H][B(C ₆ F ₅) ₄]. <i>Organometallics</i> , 2000, 19, 5325-5341.	2.3	65
175	Synthesis, Structure, and Electrochemical Studies of Molybdenum and Tungsten Dinitrogen, Diazenido, and Hydrazido Complexes That Contain Aryl-Substituted Triamidoamine Ligands. <i>Inorganic Chemistry</i> , 2001, 40, 3861-3878.	4.0	65
176	Synthesis of [(HIPTNCH ₂ CH ₂) ₃ N]V Compounds (HIPT = 3,5-(2,4,6-i-Pr ₃ C ₆ H ₂) ₂ C ₆ H ₃) and an Evaluation of Vanadium for the Reduction of Dinitrogen to Ammonia. <i>Inorganic Chemistry</i> , 2006, 45, 9197-9205.	4.0	65
177	Synthesis of Tungsten Oxo Alkylidene Complexes. <i>Organometallics</i> , 2012, 31, 7278-7286.	2.3	65
178	Synthesis of Triamidoamine Ligands of the Type (Aryl)NCH ₂ CH ₂) ₃ N and Molybdenum and Tungsten Complexes That Contain an [(Aryl)NCH ₂ CH ₂) ₃ N] ₃ - Ligand. <i>Inorganic Chemistry</i> , 2001, 40, 3850-3860.	4.0	64
179	Stereospecific Ring-Opening Metathesis Polymerization (ROMP) of Norbornene and Tetracyclododecene by Mo and W Initiators. <i>Macromolecules</i> , 2015, 48, 2493-2503.	4.8	64
180	Synthesis and Evaluation of Molybdenum and Tungsten Monoaryloxy Halide Alkylidene Complexes for <i>Z</i> -Selective Cross-Metathesis of Cyclooctene and <i>Z</i> -1,2-Dichloroethylene. <i>Journal of the American Chemical Society</i> , 2016, 138, 15774-15783.	13.7	64

#	ARTICLE	IF	CITATIONS
181	E- and Z-, di- and tri-substituted alkenyl nitriles through catalytic cross-metathesis. <i>Nature Chemistry</i> , 2019, 11, 478-487.	13.6	63
182	Formation of Dimers That Contain Unbridged W(IV)/W(IV) Double Bonds. <i>Journal of the American Chemical Society</i> , 2004, 126, 9526-9527.	13.7	62
183	Synthesis and Reactions of Tungsten Alkylidene Complexes That Contain the 2,6-Dichlorophenylimido Ligand. <i>Organometallics</i> , 2007, 26, 1279-1290.	2.3	62
184	Preparation of Macrocyclic $\langle i \rangle Z \langle /i \rangle$ -Enoates and ($\langle i \rangle E \langle /i \rangle, \langle i \rangle Z \langle /i \rangle$)- or ($\langle i \rangle Z \langle /i \rangle, \langle i \rangle E \langle /i \rangle$)-Dienoates through Catalytic Stereoselective Ring-Closing Metathesis. <i>Journal of the American Chemical Society</i> , 2014, 136, 16493-16496.	13.7	62
185	Spontaneous Loss of Molecular Hydrogen from Tungsten(IV) Alkyl Complexes To Give Alkylidyne Complexes. <i>Journal of the American Chemical Society</i> , 1994, 116, 12103-12104.	13.7	61
186	Evaluation of Enantiomerically Pure Binaphthol-Based Molybdenum Catalysts for Asymmetric Olefin Metathesis Reactions that Contain 3,3'-Diphenyl- or 3,3'-Dimesityl-Substituted Binaphtholate Ligands. Generation and Decomposition of Unsubstituted Molybdacyclobutane Complexes. <i>Organometallics</i> , 2001, 20, 5658-5669.	2.3	61
187	Enantioselective Synthesis of Cyclic Enol Ethers and All-Carbon Quaternary Stereogenic Centers Through Catalytic Asymmetric Ring-Closing Metathesis. <i>Journal of the American Chemical Society</i> , 2006, 128, 5153-5157.	13.7	61
188	Trigonal-bipyramidal and square-pyramidal tungstacyclobutane intermediates are both present in systems in which olefins are metathesized by complexes of the type W(CHR')(N-2,6-C ₆ H ₃ -iso-Pr ₂)(OR) ₂ . <i>Organometallics</i> , 1989, 8, 2266-2268.	2.3	60
189	Living Polymerization of 1-Hexene by Cationic Zirconium and Hafnium Complexes that Contain a Diamido/Donor Ligand of the Type [H ₃ CC(2-C ₅ H ₄ N)(CH ₂ NMesityl) ₂] ₂ -. A Comparison of Methyl and Isobutyl Initiators. <i>Organometallics</i> , 2003, 22, 4569-4583.	2.3	60
190	Investigations of Reactions between Chiral Molybdenum Imido Alkylidene Complexes and Ethylene: Observation of Unsolvated Base-Free Methylene Complexes, Metalacyclobutane and Metalacyclopentane Complexes, and Molybdenum(IV) Olefin Complexes. <i>Organometallics</i> , 2004, 23, 1997-2007.	2.3	60
191	Fundamental Studies of Molybdenum and Tungsten Methylidene and Metallacyclobutane Complexes. <i>Organometallics</i> , 2010, 29, 5241-5251.	2.3	60
192	Z-Selective Ring-Opening Metathesis Polymerization of 3-Substituted Cyclooctenes by Monoaryloxide Pyrrolide Imido Alkylidene (MAP) Catalysts of Molybdenum and Tungsten. <i>Organometallics</i> , 2013, 32, 4843-4850.	2.3	58
193	Preparation of tantalum .mu.-dinitrogen complexes from molecular nitrogen and reduced tantalum complexes. <i>Organometallics</i> , 1982, 1, 703-707.	2.3	57
194	Alkyl, Alkylidene, and Alkylidyne Complexes of Rhenium. <i>Organometallics</i> , 1995, 14, 1875-1884.	2.3	57
195	Synthesis of tungsten complexes that contain hexaisopropylterphenyl-substituted triamidoamine ligands, and reactions relevant to the reduction of dinitrogen to ammonia. <i>Canadian Journal of Chemistry</i> , 2005, 83, 341-357.	1.1	57
196	Inversion of Configuration at the Metal in Diastereomeric Imido Alkylidene Monoaryloxide Monopyrrolide Complexes of Molybdenum. <i>Journal of the American Chemical Society</i> , 2009, 131, 58-59.	13.7	57
197	Catalytic Synthesis of $\langle i \rangle n \langle /i \rangle$ -Alkyl Arenes through Alkyl Group Cross-Metathesis. <i>Journal of the American Chemical Society</i> , 2013, 135, 12572-12575.	13.7	57
198	Multiple metal-carbon bonds. 37. Preparation of di-tert-butoxytungsten(VI) alkylidene complexes by protonation of tri-tert-butoxytungsten(VI) alkylidyne complexes. <i>Organometallics</i> , 1985, 4, 1937-1944.	2.3	56

#	ARTICLE	IF	CITATIONS
199	Tungsten and Molybdenum Alkyl or Aryl Complexes That Contain the [(C ₆ F ₅ NCH ₂ CH ₂) ₃ N] ₃ -Ligand. <i>Organometallics</i> , 1998, 17, 1058-1068.	2.3	56
200	Five-Coordinate Rearrangements of Metallacyclobutane Intermediates during Ring-Opening Metathesis Polymerization of 2,3-Dicarboalkoxynorbornenes by Molybdenum and Tungsten Monoalkoxide Pyrrolide Initiators. <i>Organometallics</i> , 2012, 31, 6231-6243.	2.3	56
201	Synthesis of Aryl-Substituted Triamidoamine Ligands and Molybdenum(IV) Complexes that Contain Them. <i>Organometallics</i> , 1998, 17, 5591-5593.	2.3	55
202	Synthesis of Zirconium Complexes That Contain the Diamidophosphine Ligands [(Me ₃ SiNCH ₂ CH ₂) ₂ PPh] ₂ - or [(RNSiMe ₂ CH ₂) ₂ PPh] ₂ - (R = t-Bu or 2,6-Me ₂ C ₆ H ₃). <i>Organometallics</i> , 1999, 18, 428-437.	2.3	55
203	Experimental and Theoretical EPR Study of Jahn-Teller-Active [HIPTN] ₃ MoL Complexes (L) Tj ETQq1,1 0.784314 rgBT	13.7	55
204	Rational Design of Highly Active σ -Hybrid-Phosphine-Phosphinite Pincer Iridium Catalysts for Alkane Metathesis. <i>ACS Catalysis</i> , 2013, 3, 2505-2514.	11.2	55
205	Monomere Molybd- und Wolframkomplexe mit einer Metall-Phosphor-Dreifachbindung. <i>Angewandte Chemie</i> , 1995, 107, 2184-2186.	2.0	54
206	Synthesis of Vanadium(III), -(IV), and -(V) Complexes That Contain the Pentafluorophenyl-Substituted Triamidoamine Ligand [(C ₆ F ₅ NCH ₂ CH ₂) ₃ N] ₃ -. <i>Inorganic Chemistry</i> , 1996, 35, 3695-3701.	4.0	54
207	Imido Alkylidene Bispyrrolyl Complexes of Tungsten. <i>Organometallics</i> , 2007, 26, 5702-5711.	2.3	54
208	Catalytic α -Selective Cross-Metathesis with Secondary Silyl- and Benzyl-Protected Allylic Ethers: Mechanistic Aspects and Applications to Natural Product Synthesis. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 8395-8400.	13.8	54
209	Bulky Aryloxide Ligand Stabilizes a Heterogeneous Metathesis Catalyst. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 14221-14224.	13.8	54
210	Electronic Structure of Mo(VI) Alkylidene Complexes and an Examination of Reactive Intermediates Using the SCF-X.alpha.-SW Method. <i>Organometallics</i> , 1994, 13, 2804-2815.	2.3	53
211	Well-Defined Silica-Supported Mo-Alkylidene Catalyst Precursors Containing One OR Substituent: Methods of Preparation and Structure-Reactivity Relationship in Alkene Metathesis. <i>Chemistry - A European Journal</i> , 2009, 15, 5083-5089.	3.3	53
212	Synthesis of [(DPPNCH ₂ CH ₂) ₃ N] ₃ Molybdenum Complexes (DPP = 3,5-(2,5-Diisopropylpyrrolyl) ₂ C ₆ H ₃) and Studies Relevant to Catalytic Reduction of Dinitrogen. <i>Journal of the American Chemical Society</i> , 2010, 132, 8349-8358.	13.7	53
213	Formation of High-Oxidation-State Metal-Carbon Double Bonds. <i>Organometallics</i> , 2017, 36, 1884-1892.	2.3	53
214	Multiple metal-carbon bonds. 44. Isolation and characterization of the first simple tantalacyclobutane complexes. <i>Organometallics</i> , 1986, 5, 2162-2164.	2.3	52
215	Alkyl and Alkylidene Complexes of Tantalum That Contain a Triethylsilyl-Substituted Triamido-Amine Ligand. <i>Organometallics</i> , 1996, 15, 2777-2783.	2.3	50
216	Synthesis of Titanium, Zirconium, and Hafnium Complexes That Contain the [(MesitylN-o-C ₆ H ₄) ₂ O] ₂ -Ligand. <i>Organometallics</i> , 2000, 19, 2526-2531.	2.3	47

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217	Enantioselective synthesis of cyclic allylboronates by Mo-catalyzed asymmetric ring-closing metathesis (ARCM). A one-pot protocol for net catalytic enantioselective cross metathesis. <i>Tetrahedron</i> , 2004, 60, 7345-7351.	1.9	47
218	Synthesis of [(HIPTNCH ₂ CH ₂) ₃ N]Cr Compounds (HIPT = 3,5-(2,4,6-i-Pr ₃ C ₆ H ₂) ₂ C ₆ H ₃) and an Evaluation of Chromium for the Reduction of Dinitrogen to Ammonia. <i>Inorganic Chemistry</i> , 2006, 45, 7111-7118.	4.0	47
219	Reactions of M(N-2,6-i-Pr ₂ C ₆ H ₃)(CHR)(CH ₂ R ⁻) ₂ (M = Mo, W) Complexes with Alcohols To Give Olefin Metathesis Catalysts of the Type M(N-2,6-i-Pr ₂ C ₆ H ₃)(CHR)(CH ₂ R ⁻)(OR ⁻) ₂ . <i>Organometallics</i> , 2006, 25, 2.3 1412-1423.		46
220	Simple Molybdenum(IV) Olefin Complexes of the Type Mo(NR)(X)(Y)(olefin). <i>Organometallics</i> , 2010, 29, 6816-6828.	2.3	46
221	An electrochemical investigation of intermediates and processes involved in the catalytic reduction of dinitrogen by [HIPTN ₃ N]Mo (HIPTN ₃ N = (3,5-(2,4,6-i-Pr ₃ C ₆ H ₂) ₂ C ₆ H ₃ NCH ₂ CH ₂) ₃ N). <i>Dalton Transactions</i> , 2012, 41, 130-137.	3.3	46
222	Facile Synthesis of a Tungsten Alkylidyne Catalyst for Alkyne Metathesis. <i>Organometallics</i> , 2007, 26, 475-477.	2.3	45
223	A One-Pot Tandem Olefin Isomerization/Metathesis-Coupling (ISOMET) Reaction. <i>ACS Catalysis</i> , 2014, 4, 3069-3076.	11.2	45
224	Tungsten Oxo Alkylidene Complexes as Initiators for the Stereoregular Polymerization of 2,3-Dicarbomethoxynorbornadiene. <i>Organometallics</i> , 2014, 33, 2313-2325.	2.3	44
225	Stereospecific Ring-Opening Metathesis Polymerization of Norbornadienes Employing Tungsten Oxo Alkylidene Initiators. <i>Journal of the American Chemical Society</i> , 2014, 136, 10910-10913.	13.7	44
226	Proof of Tacticity of Stereoregular ROMP Polymers through Post Polymerization Modification. <i>Macromolecules</i> , 2015, 48, 3148-3152.	4.8	43
227	Dimers that Contain Unbridged W(IV)/W(IV) Double Bonds. <i>Organometallics</i> , 2006, 25, 1978-1986.	2.3	42
228	Understanding the reactivity of [WNAr(CH ₂ tBu) ₂ (CHtBu)] (Ar=2,6-i-Pr ₂ C ₆ H ₃) with silica partially dehydroxylated at low temperatures through a combined use of molecular and surface organometallic chemistry. <i>Journal of Organometallic Chemistry</i> , 2006, 691, 5448-5455.	1.8	42
229	Endo-Selective Enyne Ring-Closing Metathesis Promoted by Stereogenic-at-W Mono-Pyrrolide Complexes. <i>Organic Letters</i> , 2011, 13, 784-787.	4.6	42
230	Aqueous tungsten(VI) alkyl chemistry. <i>Journal of the American Chemical Society</i> , 1983, 105, 7176-7177.	13.7	41
231	Zirconium Complexes That Contain a Diamido O-Donor Ligand with a Restricted Geometry. <i>Organometallics</i> , 1999, 18, 3220-3227.	2.3	41
232	Stereospecific Ring-Opening Metathesis Polymerization of 3-Methyl-3-phenylcyclopropene by Molybdenum Alkylidene Initiators. <i>Macromolecules</i> , 2008, 41, 2990-2993.	4.8	41
233	Molybdenum Triamidoamine Systems. Reactions Involving Dihydrogen Relevant to Catalytic Reduction of Dinitrogen. <i>Inorganic Chemistry</i> , 2009, 48, 8569-8577.	4.0	41
234	B(C ₆ F ₅) ₃ Activation of Oxo Tungsten Complexes That Are Relevant to Olefin Metathesis. <i>Organometallics</i> , 2013, 32, 5256-5259.	2.3	41

#	ARTICLE	IF	CITATIONS
235	Reactions of Mo(NAr)(CH-t-Bu)(CH ₂ -t-Bu) ₂ with Alcohols To Give Metathesis Catalysts of the Type Mo(NAr)(CH-t-Bu)(CH ₂ -t-Bu)(OR). <i>Organometallics</i> , 2004, 23, 1643-1645.	2.3	40
236	Syntheses and Structures of Molybdenum Imido Alkylidene Pyrrolide and Indolide Complexes. <i>Organometallics</i> , 2008, 27, 6570-6578.	2.3	40
237	Syntheses of Molybdenum Oxo Alkylidene Complexes through Addition of Water to an Alkylidyne Complex. <i>Journal of the American Chemical Society</i> , 2018, 140, 2797-2800.	13.7	40
238	Molybdenum, Tungsten, and Rhenium d ² Complexes That Contain the [(C ₆ F ₅ NCH ₂ CH ₂) ₂ NMe] ₂ -Ligand. <i>Organometallics</i> , 2000, 19, 2414-2416.	2.3	39
239	Optical Spectroscopy of Long Polyenes. <i>Journal of Physical Chemistry A</i> , 2004, 108, 8229-8236.	2.5	39
240	Synthesis of [(Me ₃ SiNCH ₂ CH ₂) ₃ N] ₃ - and [(C ₆ F ₅ NCH ₂ CH ₂) ₃ N] ₃ -Complexes of Molybdenum and Tungsten That Contain CO, Isocyanides, or Ethylene. <i>Organometallics</i> , 2000, 19, 1132-1149.	2.3	38
241	Synthesis of High Oxidation State Bimetallic Alkylidene Complexes for Controlled ROMP Synthesis of Triblock Copolymers. <i>Organometallics</i> , 2005, 24, 5058-5066.	2.3	38
242	Molybdenum alkylidyne complexes that contain a 3,3'-di- <i>t</i> -butyl-5,5'-dimethyl-6,6'-tetramethyl-1,1'-biphenyl-2,2'-diolate ([Biphen] ₂) ligand. <i>Journal of Organometallic Chemistry</i> , 2003, 684, 56-67.	3.7	37
243	Cationic Molybdenum Imido Alkylidene Complexes. <i>Organometallics</i> , 2008, 27, 4428-4438.	2.3	37
244	Reaction of Phosphoranes with Mo(N-2,6- <i>i</i> -Pr ₂ C ₆ H ₃)(CHCMe ₃)[OCMe(CF ₃) ₂] ₂ : Synthesis and Reactivity of an Anionic Imido Alkylidyne Complex. <i>Organometallics</i> , 2006, 25, 4301-4306.	2.3	36
245	High Oxidation State Molybdenum Imido Heteroatom-Substituted Alkylidene Complexes. <i>Organometallics</i> , 2013, 32, 4612-4617.	2.3	36
246	Synthesis and ROMP Chemistry of Decafluoroterphenoxide Molybdenum Imido Alkylidene and Ethylene Complexes. <i>Organometallics</i> , 2013, 32, 2983-2992.	2.3	36
247	Rhenium(VII) monoimido alkylidene complexes: synthesis, structure, and Lewis-acid-cocatalyzed olefin metathesis. <i>Organometallics</i> , 1991, 10, 1844-1851.	2.3	35
248	Protonation of the Dinitrogen-Reduction Catalyst [HIPTN] ₃ NMo ^{III} Investigated by ENDOR Spectroscopy. <i>Inorganic Chemistry</i> , 2011, 50, 418-420.	4.0	35
249	Preparation of anionic tungsten(VI) alkyl complexes containing oxo or sulfido ligands and the x-ray structure of [N(C ₂ H ₅) ₄]{WO ₂ [OC(CH ₃) ₂ C(CH ₃) ₂ O][CH ₂ C(CH ₃) ₃]}. <i>Organometallics</i> , 1985, 4, 1189-1193.	2.3	34
250	Catalytic reduction of dinitrogen to ammonia at well-defined single metal sites. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2005, 363, 959-969.	3.4	34
251	Dramatic enhancement of the alkene metathesis activity of Mo imido alkylidene complexes upon replacement of one <i>t</i> BuO by a surface siloxy ligand. <i>Dalton Transactions</i> , 2008, , 3156.	3.3	33
252	Traceless Protection for More Broadly Applicable Olefin Metathesis. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 5365-5370.	13.8	33

#	ARTICLE	IF	CITATIONS
253	Alkyne Complexes of Tungsten(IV). <i>Angewandte Chemie International Edition in English</i> , 1983, 22, 1010-1010.	4.4	32
254	Two rhenium complexes that contain an unsupported metal-metal double bond in the presence of potentially bridging ligands. <i>Journal of the American Chemical Society</i> , 1991, 113, 3610-3611.	13.7	32
255	Synthesis of Rhenium Complexes That Contain the [(C6F5NCH2CH2)3N]3-Ligand. <i>Organometallics</i> , 1998, 17, 4077-4089.	2.3	32
256	Synthesis of Molybdenum(VI) Monoimido Alkyl and Alkylidene Complexes. <i>Organometallics</i> , 2005, 24, 1929-1937.	2.3	32
257	Olefin Metathesis Reactions Initiated by d2Molybdenum or Tungsten Complexes. <i>Organometallics</i> , 2005, 24, 5211-5213.	2.3	32
258	Synthesis and Characterization of ABA Triblock Copolymers Containing Smectic C* Liquid Crystal Side Chains via Ring-Opening Metathesis Polymerization Using a Bimetallic Molybdenum Initiator. <i>Macromolecules</i> , 2006, 39, 3993-4000.	4.8	32
259	Reversible 3 + 2 cycloaddition of ethylene to the C:Re≡C unit in rhenium complexes of the type Re(≡CMe3)(CHR')(OR)2. <i>Journal of the American Chemical Society</i> , 1993, 115, 2980-2981.	13.7	31
260	Synthesis of Molybdenum Imido Alkylidene Complexes Containing N,N'-Disubstituted 2,2'-Bisamido-1,1'-binaphthyl Ligands. <i>Organometallics</i> , 2000, 19, 925-930.	2.3	31
261	Synthesis and Structures of Zirconium and Hafnium Alkyl Complexes That Contain [H3C(2-C5H4N)(CH2NAr)2]2- ([ArNpy]2-; Ar = Mesityl, Triisopropylphenyl) Ligands. <i>Organometallics</i> , 2002, 21, 5785-5798.	2.3	31
262	Formation of {[HIPTN]3N}Mo(III)H by Heterolytic Cleavage of H2 as Established by EPR and ENDOR Spectroscopy. <i>Inorganic Chemistry</i> , 2010, 49, 704-713.	4.0	31
263	Pentafluorophenylimido Alkylidene Complexes of Molybdenum and Tungsten. <i>Organometallics</i> , 2012, 31, 4650-4653.	2.3	31
264	Monoaryloxy Pyrrolide (MAP) Imido Alkylidene Complexes of Molybdenum and Tungsten That Contain 2,6-Bis(2,5-R-pyrrolyl)phenoxide (R = i-Pr, Ph) Ligands and an Unsubstituted Metallacyclobutane on Its Way to Losing Ethylene. <i>Organometallics</i> , 2013, 32, 2489-2492.	2.3	31
265	X-ray crystallographic studies on octahedral oxo alkylidene complexes of tungsten(VI): W(=O)(=CHCMe3)(PMe3)2Cl2 and W(=O)(=CHCMe3)(PEt3)2Cl2. <i>Journal of Organometallic Chemistry</i> , 1981, 204, C17-C20.	13.7	30
266	Recent advances in the chemistry of well-defined olefin and acetylene metathesis catalysts. <i>Journal of Molecular Catalysis</i> , 1985, 28, 1-8.	1.2	30
267	Trigonalämonopyramidale M(III)-Komplexe des Typs [M(N)3] (M = Ti, V, Cr, Mn, Fe); <i>J. Organomet. Chem.</i> 1982, 184, 1510-1512.	2.0	30
268	Catalytic Homologation of Vinyltributylstannane to Allyltributylstannane by Mo(IV) Complexes in the Presence of Ethylene. <i>Journal of the American Chemical Society</i> , 2004, 126, 1948-1949.	13.7	30
269	Molybdenum does it again. <i>Nature Chemistry</i> , 2011, 3, 95-96.	13.6	30
270	Synthesis of Molybdenum Alkylidene Complexes That Contain the 2,6-Dimesitylphenylimido Ligand. <i>Journal of the American Chemical Society</i> , 2011, 133, 18142-18144.	13.7	29

#	ARTICLE	IF	CITATIONS
271	Molybdenum and Tungsten Monoalkoxide Pyrrolide (MAP) Alkylidene Complexes That Contain a 2,6-Dimesitylphenylimido Ligand. <i>Organometallics</i> , 2013, 32, 2373-2378.	2.3	29
272	Synthesis of Alternating <i>trans</i> -AB Copolymers through Ring-Opening Metathesis Polymerization Initiated by Molybdenum Alkylidenes. <i>Journal of the American Chemical Society</i> , 2015, 137, 2239-2242.	13.7	29
273	Synthesis of Linear α,β -Unsaturated Esters by Catalytic Cross-Metathesis. The Influence of Acetonitrile. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 13210-13214.	13.8	29
274	Cationic Imido Alkylidene Complexes of Molybdenum Supported by β -Diketonate and β -Diketiminato Ligands. <i>Organometallics</i> , 2006, 25, 4725-4727.	2.3	28
275	2, 2-Dimethylpropylidyne Tungsten(VI) Complexes and Precursors for their Syntheses. <i>Inorganic Syntheses</i> , 2007, , 44-51.	0.3	27
276	EPR Study of the Low-Spin [d^3 ; $S = 1/2$], Jahn-Teller-Active, Dinitrogen Complex of a Molybdenum Trisamidoamine. <i>Journal of the American Chemical Society</i> , 2007, 129, 3480-3481.	13.7	27
277	Operationally Simple, Efficient, and Diastereoselective Synthesis of <i>cis</i> -2,6-Disubstituted-4-Methylene Tetrahydropyrans Catalyzed by Triflic Acid. <i>Organic Letters</i> , 2006, 8, 1871-1874.	4.6	26
278	Synthesis of Molybdenum Imido Alkylidene Complexes That Contain Siloxides. <i>Organometallics</i> , 2007, 26, 6674-6680.	2.3	26
279	Rhenium(III) and Rhenium(V) Complexes That Contain the (C ₆ F ₅ NCH ₂ CH ₂) ₃ N Ligand. <i>Organometallics</i> , 1996, 15, 5-6.	2.3	25
280	Synthesis of Molybdenum and Tantalum Complexes that Contain Diamido/Donor Ligands of the Type [(3,5-Cl ₂ C ₆ H ₃ NCH ₂ CH ₂) ₂ NMe] ₂ -or [(3,5-Cl ₂ C ₆ H ₃ NCH ₂) ₂ C(2-C ₅ H ₄ N)(CH ₃)] ₂ . <i>Organometallics</i> , 2001, 20, 5682-5689.	2.3	25
281	Synthesis, Characterization, and Activation of Zirconium and Hafnium Dialkyl Complexes that Contain a C ₂ -Symmetric Diaminobinaphthyl Dipyridine Ligand. <i>Organometallics</i> , 2005, 24, 3335-3342.	2.3	25
282	Better Characterization of Surface Organometallic Catalysts through Resolution Enhancement in Proton Solid State NMR Spectra. <i>Inorganic Chemistry</i> , 2006, 45, 9587-9592.	4.0	25
283	Syntheses of Tungsten <i>tert</i> -Butylimido and Adamantylimido Alkylidene Complexes Employing Pyridinium Chloride As the Acid. <i>Organometallics</i> , 2012, 31, 6522-6525.	2.3	25
284	Bipyridine Adducts of Molybdenum Imido Alkylidene and Imido Alkylidyne Complexes. <i>Organometallics</i> , 2012, 31, 4558-4564.	2.3	25
285	Synthesis of Methylidene Complexes that Contain a 2,6-Dimesitylphenylimido Ligand and Ethenolysis of 2,3-Dicarbomethoxynorbornadiene. <i>Organometallics</i> , 2013, 32, 5573-5580.	2.3	25
286	Synthesis of a TREN in Which the Aryl Substituents are Part of a 45 Atom Macrocycle. <i>Journal of the American Chemical Society</i> , 2013, 135, 15338-15341.	13.7	25
287	Synthesis of Molybdenum and Tungsten Alkylidene Complexes That Contain Sterically Demanding Arenethiolate Ligands. <i>Organometallics</i> , 2014, 33, 5334-5341.	2.3	25
288	Tungsten and molybdenum alkylidyne complexes containing bulky thiolate ligands. <i>Organometallics</i> , 1988, 7, 436-441.	2.3	24

#	ARTICLE	IF	CITATIONS
289	Evaluation of Zirconium and Hafnium Complexes that Contain the Electron-Withdrawing Organometallics, 2005, 24, 857-866.	2.3	24
290	Grafting mechanism and olefin metathesis activity of well-defined silica-supported Mo imido alkylidene complexes. Comptes Rendus Chimie, 2008, 11, 137-146.	0.5	24
291	Stereoselective Ring-Opening Metathesis Polymerization (ROMP) of Methyl-(1-phenylethyl)-2-azabicyclo[2.2.1]hept-5-ene-3-carboxylate by Molybdenum and Tungsten Initiators. Macromolecules, 2015, 48, 2006-2012.	4.8	24
292	Syntheses of Molybdenum Oxo Benzylidene Complexes. Journal of the American Chemical Society, 2018, 140, 13609-13613.	13.7	24
293	The synthesis of trans-(Me ₃ CO) ₃ W(=CH)C(CH ₃)=CHC(CH ₃)=CHW(OCMe ₃) ₃ , cis,cis-(Me ₃ CO) ₃ W(=CH)C(CH ₃)=CHC(CH ₃)=CHC(CH ₃)=CHW(OCMe ₃) ₃ and related metal-capped ene-yne, and evaluation of them as catalysts for preparing polydiacetylenes. Journal of Organometallic Chemistry, 1988, 355, 257-265.	1.8	23
294	Tris(pyrrolyl-1-methyl)amines that Sterically Protect a Trigonal Metal Site. Inorganic Chemistry, 2007, 46, 8463-8465.	4.0	23
295	Molybdenum Imido Alkylidene Complexes Containing Biphen Ligands that Have Silyl Groups Attached through the 6 and 6-Methyl Group Carbon Atoms. Organometallics, 2001, 20, 4705-4712.	2.3	22
296	Some Organometallic Chemistry of Molybdenum Complexes that Contain the [HIPTN ₃ N] ₃ -Triamidoamine Ligand, {[3,5-(2,4,6-i-Pr ₃ C ₆ H ₂) ₂ C ₆ H ₃ NCH ₂ CH ₂] ₃ N} ₃ . Organometallics, 2005, 24, 4437-4450.	2.3	22
297	Diphenylamido Precursors to Bisalkoxide Molybdenum Olefin Metathesis Catalysts. Organometallics, 2006, 25, 4621-4626.	2.3	22
298	Carboxylate-Based Molybdenum Alkylidene Catalysts: Synthesis, Characterization, and Use as Initiators for 1,6-Heptadiyne Cyclopolymerizations. Organometallics, 2008, 27, 3986-3995.	2.3	22
299	Molybdenum and Tungsten Alkylidene and Metallacyclobutane Complexes That Contain a Dianionic Biphenolate Pincer Ligand. Organometallics, 2016, 35, 758-761.	2.3	22
300	High oxidation-state compounds containing hydrazine and hydrazido ligands bound to a W(N-2,6-C ₆ H ₃ -iso-Pr ₂)[2,6-NC ₅ H ₃ (CH ₂ NTosyl) ₂] core. Inorganic Chemistry, 1991, 30, 4105-4106.	4.0	21
301	Some Reactions Involving [W(N-2,6-Me ₂ C ₆ H ₃)(OCMe ₂ CF ₃) ₂] ₂ , a Symmetric d ² -d ² Dimer that Contains No Bridging Ligands. Organometallics, 2008, 27, 3857-3865.	2.3	21
302	Metathesis by Molybdenum and Tungsten Catalysts. Chimia, 2015, 69, 388.	0.6	21
303	Synthesis of Molybdenum and Tungsten Alkylidene Complexes That Contain the 2,6-Bis(2,4,6-triisopropylphenyl)phenylimido (NHIPT) Ligand. Organometallics, 2015, 34, 2110-2113.	2.3	21
304	Formation of Alternating trans-AB Copolymers through Ring-Opening Metathesis Polymerization Initiated by Molybdenum Imido Alkylidene Complexes. Organometallics, 2015, 34, 5136-5145.	2.3	21
305	Synthesis of Molybdenum and Tungsten Alkylidene Complexes that Contain a tert-Butylimido Ligand. Organometallics, 2015, 34, 4408-4418.	2.3	21
306	Stereochemical Control Yields Mucin Mimetic Polymers. ACS Central Science, 2021, 7, 624-630.	11.3	21

#	ARTICLE	IF	CITATIONS
307	Alkylidene Complexes of the Earlier Transition Metals. , 1986, , 221-283.		21
308	Molybdenum Imido Alkylidene Complexes that Contain a $\hat{\text{I}}^2$ -Diketiminato Ligand. <i>Organometallics</i> , 2007, 26, 3771-3783.	2.3	20
309	Alkylation of Dinitrogen in $[(\text{HIPTNCH})_2\text{CH}]_3\text{N}]\text{Mo}$ Complexes (HIPT =) <i>Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 662 Td (3,5-(2,4,6-<i>i</i>-Pr)$_3$C$_6$H$_2$)$_2$]</i> <i>Journal of the American Chemical Society</i> , 2009, 131, 12829-12837.	13.7	20
310	Synthesis of Cis,syndiotactic A-alt-B Copolymers from Two Enantiomerically Pure Trans-2,3-Disubstituted-5,6-Norbornenes. <i>ACS Central Science</i> , 2016, 2, 631-636.	11.3	20
311	Synthesis of <i>cis,syndiotactic</i> -A-alt-B Copolymers from Enantiomerically Pure <i>endo</i> -2-Substituted-5,6-Norbornenes. <i>Journal of the American Chemical Society</i> , 2017, 139, 5043-5046.	13.7	20
312	Alkylidyne Complexes of Molybdenum and Tungsten That Contain the $[(3,4,5\text{-C}_6\text{H}_2\text{F}_3\text{NCH}_2\text{CH}_2)_2\text{NMe}]_2$ -Ligand. <i>Organometallics</i> , 2001, 20, 2127-2129.	2.3	19
313	Preparation of Tungsten-Based Olefin Metathesis Catalysts Supported on Alumina. <i>Advanced Synthesis and Catalysis</i> , 2011, 353, 1985-1992.	4.3	19
314	Syntheses of Molybdenum Adamantylimido and <i>tert</i> -Butylimido Alkylidene Chloride Complexes Using HCl and Diphenylmethylphosphine. <i>Organometallics</i> , 2017, 36, 4208-4214.	2.3	19
315	Silica-Supported Molybdenum Oxo Alkylidenes: Bridging the Gap between Internal and Terminal Olefin Metathesis. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 11816-11819.	13.8	19
316	Stereodefined alkenes with a fluoro-chloro terminus as a uniquely enabling compound class. <i>Nature Chemistry</i> , 2022, 14, 463-473.	13.6	19
317	Initiators of the Type $\text{Mo}(\text{NAr})(\text{CHR})_2(\text{OR})_2$ for the Controlled Polymerization of Diethyldipropargylmalonate. <i>Organometallics</i> , 2006, 25, 2364-2373.	2.3	18
318	Potential Group IV olefin polymerization catalysts that contain a diamido ligand substituted with hexaisopropylterphenyl groups. <i>Polyhedron</i> , 2006, 25, 469-476.	2.2	18
319	Thick Optical-Quality Films of Substituted Polyacetylenes with Large, Ultrafast Third-Order Nonlinearities and Application to Image Correlation. <i>Advanced Materials</i> , 2008, 20, 3199-3203.	21.0	18
320	Synthesis and reactivity of molybdenum imido alkylidene bis-pyrazolide complexes. <i>Dalton Transactions</i> , 2010, 39, 8547.	3.3	18
321	Synthesis and Optical Spectroscopy of Oligo(1,6-heptadiynes) with a Single Basic Structure Prepared through Adamantylimido-Based Molybdenum Wittig and Metathesis Chemistry. <i>Journal of the American Chemical Society</i> , 2009, 131, 13441-13452.	13.7	17
322	A DFT study of the role of water in the rhodium-catalyzed hydrogenation of acetone. <i>Chemical Communications</i> , 2016, 52, 13881-13884.	4.1	17
323	Formation of a tetrahedral WC $_3$ framework from a cyclic WC $_3$ (tungstenacyclobutadiene) system via attack on tungsten by nitrogen-donor ligands: X-ray study of $\text{W}[\text{C}_3\text{Me}_2(\text{But})][\text{Me}_2\text{N}(\text{CH}_2)_2\text{NMe}_2]\text{Cl}_3$. <i>Journal of the Chemical Society Chemical Communications</i> , 1984, , 485.	2.0	16
324	Synthesis, Characterization, and Polymerization Behavior of Zirconium and Hafnium Complexes that Contain Asymmetric Diamido-N-Donor Ligands. <i>Organometallics</i> , 2004, 23, 4362-4372.	2.3	16

#	ARTICLE	IF	CITATIONS
325	New Enantiomerically Pure Alkylimido Molybdenum-Based Alkylidene Complexes. Synthesis, Characterization, and Activity as Chiral Olefin Metathesis Catalysts. <i>Organometallics</i> , 2007, 26, 831-837.	2.3	16
326	Calix[6]azacryptand Ligand with a Sterically Protected Tren-Based Coordination Site for Metal Ions. <i>Organic Letters</i> , 2016, 18, 1570-1573.	4.6	16
327	Synthesis of 2,6-Hexa- <i>tert</i> -butylterphenyl Derivatives, 2,6-(2,4,6- <i>t</i> -Bu ₃ C ₆ H ₂) ₂ C ₆ H ₃ X ₆ where X = I, Li, OH, SH, N ₃ , or NH ₂ . <i>Organic Letters</i> , 2017, 19, 2607-2609.		16
328	Molybdenum and Tungsten Complexes That Contain the Diamidoamine Ligands [(C ₆ F ₅ NCH ₂ CH ₂) ₂ NMe] ₂ , [(3,4,5-C ₆ H ₂ F ₃ NCH ₂ CH ₂) ₂ NMe] ₂ , and [(3-CF ₃ C ₆ H ₄ NCH ₂ CH ₂) ₂ NMe] ₂ . <i>Organometallics</i> , 2004, 23, 665-678.	2.3	15
329	Synthesis of tantalum and niobium complexes that contain the diamidoamine ligand, [(3,4,5-F ₃ C ₆ H ₂ NCH ₂ CH ₂) ₂ NMe] ₂ , and the triamidoamine ligand, [(3,5-Cl ₂ C ₆ H ₃ NCH ₂ CH ₂) ₃ N] ₃ . <i>Inorganica Chimica Acta</i> , 2006, 359, 4730-4740.	2.4	15
330	Syntheses of σ -Phosphine-Free Molybdenum Oxo Alkylidene Complexes through Addition of Water to Alkylidyne Complexes. <i>Organometallics</i> , 2020, 39, 2486-2492.	2.3	15
331	Alkin-Komplexe von Wolfram(IV). <i>Angewandte Chemie</i> , 1983, 95, 1012-1013.	2.0	14
332	Molybdenum Monoaryloxide Pyrrolide Alkylidene Complexes That Contain Mono-ortho-substituted Phenyl Imido Ligands. <i>Organometallics</i> , 2012, 31, 2388-2394.	2.3	14
333	Molybdenum and Tungsten Alkylidene Complexes That Contain a 2-Pyridyl-Substituted Phenoxide Ligand. <i>Organometallics</i> , 2016, 35, 3587-3593.	2.3	14
334	EPR/ENDOR and Theoretical Study of the Jahn-Teller-Active [HIPTN ₃ N]Mo ^V L Complexes (L = N ⁻ , NH). <i>Inorganic Chemistry</i> , 2017, 56, 6906-6919.	4.0	14
335	The Discovery and Development of High Oxidation State Alkylidyne Complexes for Alkyne Metathesis. , 0, , 173-189.		14
336	Synthesis of Tungsten Imido Alkylidene Complexes that Contain an Electron-Withdrawing Imido Ligand. <i>Organometallics</i> , 2014, 33, 5342-5348.	2.3	13
337	Conversion of rhenium alkylidyne complexes that contain unsupported metal-metal double bonds into relatives that contain 1/4-alkylidyne ligands. <i>Journal of Organometallic Chemistry</i> , 1996, 520, 69-78.	1.8	12
338	σ -Hydrogen migration reactions in tungsten(VI) cyclopentadienyl alkylidyne complexes. <i>Journal of Organometallic Chemistry</i> , 1998, 569, 125-137.	1.8	12
339	Syntheses of Variations of Stereogenic-at-Metal Imido Alkylidene Complexes of Molybdenum. <i>Organometallics</i> , 2012, 31, 6336-6343.	2.3	12
340	High Oxidation State Molybdenum and Tungsten Alkene and Alkyne Metathesis Catalysts: Where We Are and Where We Want to Go. <i>Advanced Synthesis and Catalysis</i> , 2007, 349, 25-25.	4.3	11
341	Synthesis of Oligo(1,6-heptadiynes) with a Single Structure and Terminal Methylene Groups Using Molybdenum-Based Wittig and Metathesis Chemistry. 1. 2,6-Dimethylphenylimido Systems. <i>Organometallics</i> , 2008, 27, 6202-6214.	2.3	9
342	Synthesis of Linear α,β -Unsaturated Esters by Catalytic Cross-Metathesis. The Influence of Acetonitrile. <i>Angewandte Chemie</i> , 2016, 128, 13404-13408.	2.0	9

#	ARTICLE	IF	CITATIONS
343	Synthesis of High-Oxidation-State Mo ^{VI} -CHX Complexes, Where X = Cl, CF ₃ , Phosphonium, CN. <i>Organometallics</i> , 2018, 37, 1641-1644.	2.3	9
344	Traceless Protection for More Broadly Applicable Olefin Metathesis. <i>Angewandte Chemie</i> , 2019, 131, 5419-5424.	2.0	9
345	Synthesis of Molybdenum Imido 2-Adamantylidene Complexes through $\hat{\text{I}}\pm$ Hydrogen Abstraction. <i>Organometallics</i> , 2020, 39, 2304-2308.	2.3	9
346	Boosting the Metathesis Activity of Molybdenum Oxo Alkylidenes by Tuning the Anionic Ligand $\hat{\text{I}}\text{f}$ Donation. <i>Inorganic Chemistry</i> , 2021, 60, 6875-6880.	4.0	9
347	Tungstacyclopentane Ring Contraction Yields Olefin Metathesis Catalysts. <i>Journal of the American Chemical Society</i> , 2022, 144, 10929-10942.	13.7	9
348	Multiple Metal-Carbon Bonds in Catalysis. <i>ACS Symposium Series</i> , 1983, , 369-382.	0.5	8
349	Oxidative Reactions of the MoIV Dialkyl Complex $[(3\text{-CF}_3\text{C}_6\text{H}_4\text{NCH}_2\text{CH}_2)_2\text{NMe}]_2\text{Mo}(\text{CH}_2\text{SiMe}_3)_2$. <i>Chemistry - an Asian Journal</i> , 2007, 2, 867-874.	3.3	8
350	Molybdenum Complexes that Contain a Calix[6]azacryptand Ligand as Catalysts for Reduction of N ₂ to Ammonia. <i>Inorganic Chemistry</i> , 2018, 57, 15566-15574.	4.0	8
351	Oxo 2-Adamantylidene Complexes of Mo(VI) and W(VI). <i>Organometallics</i> , 2021, 40, 838-842.	2.3	8
352	Interconversion of Molybdenum or Tungsten d ² Styrene Complexes with d ⁰ 1-Phenethylidene Analogues. <i>Journal of the American Chemical Society</i> , 2021, 143, 17209-17218.	13.7	8
353	Ferrocenyl-Functionalised Molybdenum Imido Complexes: An Approach to Redox-Tunable Olefin Polymerisation Catalysts. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2001, 627, 925-928.	1.2	7
354	Cover Picture: Molybdenum and Tungsten Imido Alkylidene Complexes as Efficient Olefin-Metathesis Catalysts (<i>Angew. Chem. Int. Ed.</i> 38/2003). <i>Angewandte Chemie - International Edition</i> , 2003, 42, 4555-4555.	13.8	7
355	Synthesis of Bifunctional Imido Alkylidene BisPyrrolide Complexes of Molybdenum and Their Conversion into Bifunctional Imido Alkylidene Diolate Complexes That Can Be Employed as ROMP Initiators. <i>Chemistry - an Asian Journal</i> , 2008, 3, 1535-1543.	3.3	7
356	Synthesis of Tungsten Oxo Alkylidene Biphenolate Complexes and Ring-Opening Metathesis Polymerization of Norbornenes and Norbornadienes. <i>Organometallics</i> , 2019, 38, 3144-3150.	2.3	7
357	Molybdenum Disubstituted Alkylidene Complexes. <i>Organometallics</i> , 2020, 39, 658-661.	2.3	7
358	Group 6 High Oxidation State Alkylidene and Alkylidyne Complexes. , 2022, , 671-773.		7
359	Synthesis of Molybdenum Perfluorophenylimido 2-Adamantylidene Complexes. <i>Organometallics</i> , 2021, 40, 463-466.	2.3	6
360	E- and Z-trisubstituted macrocyclic alkenes for natural product synthesis and skeletal editing. <i>Nature Chemistry</i> , 2022, 14, 640-649.	13.6	6

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361	Evaluation of Several Molybdenum and Ruthenium Catalysts for the Metathesis Homocoupling of 3-Methyl-1-Butene. <i>Helvetica Chimica Acta</i> , 2017, 100, e1700181.	1.6	4
362	Syntheses of Molybdenum(VI) Imido Alkylidene Complexes That Contain a Bidentate Dithiolate Ligand. <i>Organometallics</i> , 2018, 37, 4024-4030.	2.3	4
363	Synthesis of Molybdenum(VI) Neopentylidene Neopentylidyne Complexes. <i>Organometallics</i> , 2019, 38, 2888-2891.	2.3	4
364	Protonation Studies of Molybdenum(VI) Nitride Complexes That Contain the [2,6-(ArNCH ₂) ₂ NC ₅ H ₃] ²⁺ Ligand (Ar = Tj ETQ, O, O rg BT /Overloc	0.0	0
365	Reducing Them Down To Charge Them Up: Low Temperature Catalyst Activation. <i>ACS Central Science</i> , 2016, 2, 495-496.	11.3	3
366	Silica-Supported Molybdenum Oxo Alkylidenes: Bridging the Gap between Internal and Terminal Olefin Metathesis. <i>Angewandte Chemie</i> , 2019, 131, 11942-11945.	2.0	3
367	Synthesis of Cationic Molybdenum Imido 2-Adamantylidene Complexes from Bispyrrolides via Cationic Pyrrolenine Complexes. <i>Organometallics</i> , 2021, 40, 3050-3055.	2.3	3
368	Increasing Olefin Metathesis Activity of Silica-Supported Molybdenum Imido Adamantylidene Complexes through E Ligand Donation. <i>Helvetica Chimica Acta</i> , 0, , e2100151.	1.6	3
369	Syntheses of Molybdenum and Tungsten Imido Alkylidene Complexes that Contain a Bidentate Oxo/Thiolato Ligand. <i>Helvetica Chimica Acta</i> , 2020, 103, e2000068.	1.6	3
370	Living polymerization with well-defined alkylidene catalysts. <i>Macromolecular Symposia</i> , 1995, 98, 217-217.	0.7	2
371	¹³ C NMR spectra of tactic and atactic hydrogenated ring-opened polymers of enantiomeric and racemicendo,exo-5,6-dimethylnorbornene. <i>Macromolecular Chemistry and Physics</i> , 1998, 199, 547-553.	2.2	2
372	W-oxo Adamantylidenes: Stable Molecular Precursors for Efficient Silica-Supported Metathesis Catalysts. <i>Helvetica Chimica Acta</i> , 0, , .	1.6	1
373	Molybdenum and Tungsten Imido Alkylidene Complexes as Efficient Olefin-Metathesis Catalysts.. <i>ChemInform</i> , 2003, 34, no.	0.0	0
374	Catalytic Reduction of Dinitrogen under Mild Conditions. <i>ChemInform</i> , 2004, 35, no.	0.0	0
375	High Oxidation State Alkylidene and Alkylidyne Complexes. <i>ChemInform</i> , 2005, 36, no.	0.0	0
376	Toward the realization of practicable materials for λ^3 based photonic applications. , 2006, , .		0
377	Processible Polyacetylene-Based λ^3 Materials for Photonic Applications. , 2007, , .		0
378	Synthesis of Molybdenum(VI) Tritylimido Alkylidene Complexes. <i>Organometallics</i> , 2022, 41, 3219-3224.	2.3	0