

# Richard Royce Schrock

## List of Publications by Citations

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381  
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34,539  
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#	Paper	IF	Citations
381	Catalytic reduction of dinitrogen to ammonia at a single molybdenum center. <i>Science</i> , <b>2003</b> , 301, 76-8	33.3	1064
380	Molybdenum and tungsten imido alkylidene complexes as efficient olefin-metathesis catalysts. <i>Angewandte Chemie - International Edition</i> , <b>2003</b> , 42, 4592-633	16.4	988
379	Synthesis of molybdenum imido alkylidene complexes and some reactions involving acyclic olefins. <i>Journal of the American Chemical Society</i> , <b>1990</b> , 112, 3875-3886	16.4	912
378	Beyond fossil fuel-driven nitrogen transformations. <i>Science</i> , <b>2018</b> , 360,	33.3	772
377	High oxidation state multiple metal-carbon bonds. <i>Chemical Reviews</i> , <b>2002</b> , 102, 145-79	68.1	751
376	Multiple metal-carbon bonds for catalytic metathesis reactions (Nobel Lecture). <i>Angewandte Chemie - International Edition</i> , <b>2006</b> , 45, 3748-59	16.4	741
375	Catalytic reduction of dinitrogen to ammonia at a single molybdenum center. <i>Accounts of Chemical Research</i> , <b>2005</b> , 38, 955-62	24.3	404
374	Preparation and properties of some cationic complexes of rhodium(I) and rhodium(III). <i>Journal of the American Chemical Society</i> , <b>1971</b> , 93, 2397-2407	16.4	350
373	Recent advances in high oxidation state Mo and W imido alkylidene chemistry. <i>Chemical Reviews</i> , <b>2009</b> , 109, 3211-26	68.1	343
372	Living ring-opening metathesis polymerization of 2,3-difunctionalized norbornadienes by Mo(:CHBu-tert)(:NC6H3Pr-iso2-2,6)(OBu-tert)2. <i>Journal of the American Chemical Society</i> , <b>1990</b> , 112, 8378-8387	16.4	335
371	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> , <b>1976</b> , 98, 2134-2143	16.4	330
370	Catalytic Z-selective olefin cross-metathesis for natural product synthesis. <i>Nature</i> , <b>2011</b> , 471, 461-6	50.4	315
369	Synthesis of Titanium and Zirconium Complexes That Contain the Tridentate Diamido Ligand, [((t-Bu-d6)N-o-C6H4)2O]2- ([NON]2-) and the Living Polymerization of 1-Hexene by Activated [NON]ZrMe2. <i>Journal of the American Chemical Society</i> , <b>1997</b> , 119, 3830-3831	16.4	311
368	Catalytic asymmetric olefin metathesis. <i>Chemistry - A European Journal</i> , <b>2001</b> , 7, 945-50	4.8	285
367	Transition Metal Complexes That Contain a Triamidoamine Ligand. <i>Accounts of Chemical Research</i> , <b>1997</b> , 30, 9-16	24.3	279
366	Catalytic reduction of dinitrogen to ammonia by molybdenum: theory versus experiment. <i>Angewandte Chemie - International Edition</i> , <b>2008</b> , 47, 5512-22	16.4	272
365	Alkylcarbene complex of tantalum by intramolecular .alpha.-hydrogen abstraction. <i>Journal of the American Chemical Society</i> , <b>1974</b> , 96, 6796-6797	16.4	268

364	Preparation and reactivity of several alkylidene complexes of the type W(CHR')(N-2,6-C6H3-iso-Pr2)(OR)2 and related tungstacyclobutane complexes. Controlling metathesis activity through the choice of alkoxide ligand. <i>Journal of the American Chemical Society</i> , <b>1988</b> , 110, 1423-1435	16.4	263
363	Multiple metal-carbon bonds. 8. Preparation, characterization, and mechanism of formation of the tantalum and niobium neopentylidene complexes, M(CH2CMe3)3(CHCMe3). <i>Journal of the American Chemical Society</i> , <b>1978</b> , 100, 3359-3370	16.4	262
362	Living ring-opening metathesis polymerization of 2,3-difunctionalized 7-oxanorbornenes and 7-oxanorbornadienes by Mo(CHCMe2R)(NC6H3-iso-Pr2-2,6)(O-tert-Bu)2 and Mo(CHCMe2R)(NC6H3-iso-Pr2-2,6)(OCMe2CF3)2. <i>Journal of the American Chemical Society</i> , <b>1991</b> , 113, 6899-6907	16.4	255
361	Highly efficient molybdenum-based catalysts for enantioselective alkene metathesis. <i>Nature</i> , <b>2008</b> , 456, 933-7	50.4	246
360	Olefin metathesis by molybdenum imido alkylidene catalysts. <i>Tetrahedron</i> , <b>1999</b> , 55, 8141-8153	2.4	243
359	Multiple metal carbon bonds. 35. A general route to tri-tert-butoxytungsten alkylidyne complexes. Scission of acetylenes by ditungsten hexa-tert-butoxide. <i>Organometallics</i> , <b>1985</b> , 4, 74-83	3.8	237
358	Reduction of dinitrogen to ammonia at a well-protected reaction site in a molybdenum triamidoamine complex. <i>Journal of the American Chemical Society</i> , <b>2002</b> , 124, 6252-3	16.4	233
357	Further studies of imido alkylidene complexes of tungsten, well-characterized olefin metathesis catalysts with controllable activity. <i>Organometallics</i> , <b>1990</b> , 9, 2262-2275	3.8	231
356	Molybdenum- und Wolframimidoalkylidenkomplexe als effiziente Olefinmetathesekatalysatoren. <i>Angewandte Chemie</i> , <b>2003</b> , 115, 4740-4782	3.6	222
355	Metathesis of acetylenes by tungsten(VI)-alkylidyne complexes. <i>Journal of the American Chemical Society</i> , <b>1981</b> , 103, 3932-3934	16.4	222
354	Metall-Kohlenstoff-Mehrfachbindungen in katalytischen Metathesereaktionen (Nobel-Vortrag). <i>Angewandte Chemie</i> , <b>2006</b> , 118, 3832-3844	3.6	219
353	High-oxidation-state molybdenum and tungsten alkylidyne complexes. <i>Accounts of Chemical Research</i> , <b>1986</b> , 19, 342-348	24.3	214
352	Z-selective olefin metathesis processes catalyzed by a molybdenum hexaisopropylterphenoxide monopyrrolide complex. <i>Journal of the American Chemical Society</i> , <b>2009</b> , 131, 7962-3	16.4	207
351	Living Cyclopolymerization of 1,6-Heptadiyne Derivatives Using Well-Defined Alkylidene Complexes: Polymerization Mechanism, Polymer Structure, and Polymer Properties. <i>Journal of the American Chemical Society</i> , <b>1994</b> , 116, 2827-2843	16.4	206
350	Catalytic Enantioselective Ring-Closing Metathesis by a Chiral Biphenyl-Mo Complex. <i>Journal of the American Chemical Society</i> , <b>1998</b> , 120, 4041-4042	16.4	198
349	Studies relevant to catalytic reduction of dinitrogen to ammonia by molybdenum triamidoamine complexes. <i>Inorganic Chemistry</i> , <b>2005</b> , 44, 1103-17	5.1	195
348	Synthesis of macrocyclic natural products by catalyst-controlled stereoselective ring-closing metathesis. <i>Nature</i> , <b>2011</b> , 479, 88-93	50.4	191
347	Highly Z- and enantioselective ring-opening/cross-metathesis reactions catalyzed by stereogenic-at-Mo adamantlylido complexes. <i>Journal of the American Chemical Society</i> , <b>2009</b> , 131, 3844-54	16.4	191

346	Ligand variation in alkylidene complexes of the type Mo(CHR)(NR?)(OR?) <sub>2</sub> . <i>Journal of Organometallic Chemistry</i> , <b>1993</b> , 459, 185-198	2.3	188
345	Highly Z-selective metathesis homocoupling of terminal olefins. <i>Journal of the American Chemical Society</i> , <b>2009</b> , 131, 16630-1	16.4	185
344	Metathesis of tungsten-tungsten triple bonds with acetylenes and nitriles to give alkylidyne and nitrido complexes. <i>Journal of the American Chemical Society</i> , <b>1982</b> , 104, 4291-4293	16.4	185
343	Multiple metal-carbon bonds. 43. Well-characterized, highly active, Lewis acid free olefin metathesis catalysts. <i>Journal of the American Chemical Society</i> , <b>1986</b> , 108, 2771-2773	16.4	184
342	The alkoxide ligand in olefin and acetylene metathesis reactions. <i>Polyhedron</i> , <b>1995</b> , 14, 3177-3195	2.7	177
341	Molybdenum triamidoamine complexes that contain hexa-tert-butylterphenyl, hexamethylterphenyl, or p-bromohexaisopropylterphenyl substituents. An examination of some catalyst variations for the catalytic reduction of dinitrogen. <i>Journal of the American Chemical Society</i> , <b>2004</b> , 126, 1150-60	16.4	173
340	First isolable transition metal methylene complex and analogs. Characterization, mode of decomposition, and some simple reactions. <i>Journal of the American Chemical Society</i> , <b>1975</b> , 97, 6577-6578	16.4	173
339	Synthesis of chiral molybdenum ROMP initiators and all-cis highly tactic poly(2,3-(R)2norbornadiene) (R = CF <sub>3</sub> or CO <sub>2</sub> Me). <i>Journal of the American Chemical Society</i> , <b>1993</b> , 115, 4413-4414	16.4	171
338	Metathesis of acetylenes by (fluoroalkoxy)tungstenacyclobutadiene complexes and the crystal structure of W(C <sub>3</sub> Et <sub>3</sub> )[OCH(CF <sub>3</sub> ) <sub>2</sub> ] <sub>3</sub> . A higher order mechanism for acetylene metathesis. <i>Organometallics</i> , <b>1984</b> , 3, 1563-1573	3.8	169
337	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> , <b>1993</b> , 115, 11831-11845	16.4	168
336	Synthesis of stereoregular polymers through ring-opening metathesis polymerization. <i>Accounts of Chemical Research</i> , <b>2014</b> , 47, 2457-66	24.3	163
335	Well-characterized olefin metathesis catalysts that contain molybdenum. <i>Organometallics</i> , <b>1987</b> , 6, 1373-13874	16.0	160
334	Multiple metal-carbon bonds. 16. Tungsten-oxo alkylidene complexes as olefins metathesis catalysts and the crystal structure of W(O)(CHCMe <sub>3</sub> (PEt <sub>3</sub> )Cl <sub>2</sub> ). <i>Journal of the American Chemical Society</i> , <b>1980</b> , 102, 4515-4516	16.4	156
333	Synthesis and reactions of molybdenum triamidoamine complexes containing hexaisopropylterphenyl substituents. <i>Inorganic Chemistry</i> , <b>2003</b> , 42, 796-813	5.1	155
332	Design and stereoselective preparation of a new class of chiral olefin metathesis catalysts and application to enantioselective synthesis of quebrachamine: catalyst development inspired by natural product synthesis. <i>Journal of the American Chemical Society</i> , <b>2009</b> , 131, 943-53	16.4	152
331	Titanium and Zirconium Complexes That Contain the Tridentate Diamido Ligands [(i-PrN-o-C <sub>6</sub> H <sub>4</sub> ) <sub>2</sub> O] <sub>2</sub> - ([i-PrNON] <sub>2</sub> -) and [(C <sub>6</sub> H <sub>11</sub> N-o-C <sub>6</sub> H <sub>4</sub> ) <sub>2</sub> O] <sub>2</sub> - ([CyNON] <sub>2</sub> -). <i>Journal of the American Chemical Society</i> , <b>1999</b> , 121, 7822-7836	16.4	148
330	Recent advances in olefin metathesis by molybdenum and tungsten imido alkylidene complexes. <i>Journal of Molecular Catalysis A</i> , <b>2004</b> , 213, 21-30		144
329	Multiple metal-carbon bonds. 38. Preparation of trialkoxymolybdenum(VI) alkylidyne complexes, their reactions with acetylenes, and the x-ray structure of Mo[C <sub>3</sub> (CMe <sub>3</sub> ) <sub>2</sub> ][OCH(CF <sub>3</sub> ) <sub>2</sub> ](C <sub>5</sub> H <sub>5</sub> N) <sub>2</sub> . <i>Journal of the American Chemical Society</i> , <b>1985</b> , 107, 5987-5998	16.4	142

328	Polymerization of Enantiomerically Pure 2,3-Dicarboalkoxynorbornadienes and 5,6-Disubstituted Norbornenes by Well-Characterized Molybdenum Ring-Opening Metathesis Polymerization Initiators. Direct Determination of Tacticity in Cis, Highly Tactic and Trans, Highly Tactic Polymers. <i>Journal of the American Chemical Society</i> , <b>1994</b> , 116, 3414-3423	16.4	141
327	Phosphinidenetantalum(V) Complexes of the Type $[(N_3N)Ta?PR]$ as Phospha-Wittig Reagents. <i>Angewandte Chemie International Edition in English</i> , <b>1993</b> , 32, 756-759		141
326	A Well-Defined, Silica-Supported Tungsten Imido Alkylidene Olefin Metathesis Catalyst. <i>Organometallics</i> , <b>2006</b> , 25, 3554-3557	3.8	138
325	Preparation and reactions of tantalum alkylidene complexes containing bulky phenoxide or thiolate ligands. Controlling ring-opening metathesis polymerization activity and mechanism through choice of anionic ligand. <i>Journal of the American Chemical Society</i> , <b>1988</b> , 110, 4964-4977	16.4	137
324	Surface versus molecular siloxy ligands in well-defined olefin metathesis catalysts: $[(RO)_3SiO]Mo(=NAr)(=CHtBu)(CH_2tBu)]$ . <i>Angewandte Chemie - International Edition</i> , <b>2006</b> , 45, 1216-20	16.4	136
323	Mo-Catalyzed Asymmetric Synthesis of Dihydrofurans. Catalytic Kinetic Resolution and Enantioselective Desymmetrization through Ring-Closing Metathesis. <i>Journal of the American Chemical Society</i> , <b>1998</b> , 120, 9720-9721	16.4	135
322	Living Polymerization of (o-(Trimethylsilyl)phenyl)acetylene by Molybdenum Imido Alkylidene Complexes. <i>Journal of the American Chemical Society</i> , <b>1996</b> , 118, 3883-3895	16.4	135
321	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> , <b>1976</b> , 98, 5399-5400	16.4	133
320	Chiral MoBinol Complexes: Activity, Synthesis, and Structure. Efficient Enantioselective Six-Membered Ring Synthesis through Catalytic Metathesis. <i>Journal of the American Chemical Society</i> , <b>1999</b> , 121, 8251-8259	16.4	132
319	Synthetic and Mechanistic Investigations of Trimethylsilyl-Substituted Triamidoamine Complexes of Tantalum That Contain MetalLigand Multiple Bonds. <i>Journal of the American Chemical Society</i> , <b>1996</b> , 118, 3643-3655	16.4	131
318	Preparation and characterization of $M(CH_3)_5$ ( $M = Nb$ or $Ta$ ) and $Ta(CH_2C_6H_5)_5$ and evidence for decomposition by hydrogen atom abstraction. <i>Journal of Organometallic Chemistry</i> , <b>1976</b> , 122, 209-225	2.3	124
317	Synthesis of five- and six-coordinate alkylidene complexes of the type $Mo(CHR)(NAr)[OCMe(CF_3)_2]_2Sx$ and their use as living ROMP initiators or Wittig reagents. <i>Organometallics</i> , <b>1993</b> , 12, 759-768	3.8	123
316	Direct synthesis of Z-alkenyl halides through catalytic cross-metathesis. <i>Nature</i> , <b>2016</b> , 531, 459-65	50.4	122
315	Simple, high yield syntheses of molybdenum(VI) bis(imido) complexes of the type $Mo(NR)_2Cl_2(1,2\text{-dimethoxyethane})$ . <i>Inorganic Chemistry</i> , <b>1992</b> , 31, 2287-2289	5.1	121
314	Cleavage of dinitrogen to yield a (t-BuPOCOP)molybdenum(IV) nitride. <i>Chemical Communications</i> , <b>2012</b> , 48, 1851-3	5.8	120
313	Synthesis of Group 4 Complexes that Contain the Diamidoamine Ligands, $[(2,4,6\text{-Me}_3C_6H_2NCH_2CH_2)_2NR]_2$ -([Mes <sub>2</sub> N <sub>2</sub> NR] <sub>2</sub> -; R = H or CH <sub>3</sub> ), and Polymerization of 1-Hexene by Activated [Mes <sub>2</sub> N <sub>2</sub> NR]ZrMe <sub>2</sub> Complexes. <i>Journal of the American Chemical Society</i> , <b>1999</b> , 121, 5797-5798	16.4	120
312	Synthesis of stereoregular ROMP polymers using molybdenum and tungsten imido alkylidene initiators. <i>Dalton Transactions</i> , <b>2011</b> , 40, 7484-95	4.3	116
311	Reaction of tungsten(VI) alkylidyne complexes with acetylenes to give tungstenacyclobutadiene and cyclopentadienyl complexes. <i>Journal of the American Chemical Society</i> , <b>1982</b> , 104, 6808-6809	16.4	115

310	Preparation of Biscarboxylato Imido Alkylidene Complexes of Molybdenum and Cyclopolymerization of Diethylidipropargylmalonate To Give a Polyene Containing only Six-Membered Rings. <i>Journal of the American Chemical Society</i> , <b>1996</b> , 118, 3295-3296	16.4	113
309	Monoadducts of imido alkylidene complexes, syn and anti rotamers, and alkylidene ligand rotation. <i>Organometallics</i> , <b>1991</b> , 10, 1832-1843	3.8	113
308	Z-Selective olefin metathesis reactions promoted by tungsten oxo alkylidene complexes. <i>Journal of the American Chemical Society</i> , <b>2011</b> , 133, 20754-7	16.4	112
307	Synthesis of Terminal Vanadium(V) Imido, Oxo, Sulfido, Selenido, and Tellurido Complexes by Imido Group or Chalcogenide Atom Transfer to Trigonal Monopyramidal V[N3N] (N3N = [(Me3SiNCH2CH2)3N]3-). <i>Inorganic Chemistry</i> , <b>1994</b> , 33, 1448-1457	5.1	112
306	Synthesis of cis,syndiotactic ROMP polymers containing alternating enantiomers. <i>Journal of the American Chemical Society</i> , <b>2011</b> , 133, 1784-6	16.4	111
305	Catalytic reduction of dinitrogen to ammonia at a single molybdenum center. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2006</b> , 103, 17099-106	11.5	111
304	High oxidation state alkylidene and alkylidyne complexes. <i>Chemical Communications</i> , <b>2005</b> , 2773-7	5.8	111
303	Tandem Catalytic Asymmetric Ring-Opening Metathesis/Ring-Closing Metathesis. <i>Journal of the American Chemical Society</i> , <b>2000</b> , 122, 1828-1829	16.4	110
302	Ethenolysis reactions catalyzed by imido alkylidene monoaryloxide monopyrrolide (MAP) complexes of molybdenum. <i>Journal of the American Chemical Society</i> , <b>2009</b> , 131, 10840-1	16.4	109
301	Metathesis of acetylenes by triphenoxytunstenacyclobutadiene complexes and the crystal structure of W(C <sub>3</sub> Et <sub>3</sub> )[O-2,6-C <sub>6</sub> H <sub>3</sub> (i-Pr) <sub>2</sub> ] <sub>3</sub> . <i>Organometallics</i> , <b>1984</b> , 3, 1554-1562	3.8	107
300	A Readily Available and User-Friendly Chiral Catalyst for Efficient Enantioselective Olefin Metathesis. <i>Angewandte Chemie - International Edition</i> , <b>2001</b> , 40, 1452-1456	16.4	105
299	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. <i>Journal of the American Chemical Society</i> , <b>2002</b> , 124, 6991-7	16.4	105
298	Transition metal-carbon multiple bonds. <i>Dalton Transactions RSC</i> , <b>2001</b> , 2541-2550		105
297	Synthesis of Z-(pinacolato)allylboron and Z-(pinacolato)alkenylboron compounds through stereoselective catalytic cross-metathesis. <i>Journal of the American Chemical Society</i> , <b>2013</b> , 135, 6026-9	16.4	104
296	Enantioselective Synthesis of Unsaturated Cyclic Tertiary Ethers By Mo-Catalyzed Olefin Metathesis. <i>Journal of the American Chemical Society</i> , <b>2001</b> , 123, 3139-3140	16.4	103
295	Reduction of Dinitrogen to Ammonia Catalyzed by Molybdenum Diamido Complexes. <i>Journal of the American Chemical Society</i> , <b>2017</b> , 139, 9132-9135	16.4	101
294	Ring Opening Metathesis Polymerization with Binaphtholate or Biphenolate Complexes of Molybdenum. <i>Macromolecules</i> , <b>1996</b> , 29, 6114-6125	5.5	100
293	Efficient and selective formation of macrocyclic disubstituted Z 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> , <b>2013</b> , 19, 2726-40	4.8	99

292	Molybdenum chloride catalysts for Z-selective olefin metathesis reactions. <i>Nature</i> , <b>2017</b> , 542, 80-85	50.4	98
291	Z-Selective and Syndioselective Ring-Opening Metathesis Polymerization (ROMP) Initiated by MonoAryloxidePyrrolide (MAP) Catalysts. <i>Macromolecules</i> , <b>2010</b> , 43, 7515-7522	5.5	98
290	Synthesis of Molybdenum Complexes That Contain Silylated Triamidoamine Ligands. A .mu.-Dinitrogen Complex, Methyl and Acetylidic Complexes, and Coupling of Acetylides. <i>Journal of the American Chemical Society</i> , <b>1994</b> , 116, 8804-8805	16.4	98
289	Enantioselective synthesis of P-stereogenic phosphinates and phosphine oxides by molybdenum-catalyzed asymmetric ring-closing metathesis. <i>Angewandte Chemie - International Edition</i> , <b>2009</b> , 48, 762-6	16.4	96
288	Synthesis and Decomposition of Alkyl Complexes of Molybdenum(IV) That Contain a [(Me3SiNCH2CH2)3N]3-Ligand. Direct Detection of Elimination Processes That Are More than Six Orders of Magnitude Faster than Elimination Processes. <i>Journal of the American Chemical Society</i> , <b>1997</b> , 119, 11876-11893	16.4	94
287	Preparation of Sugar-Coated Homopolymers and Multiblock ROMP Copolymers. <i>Macromolecules</i> , <b>1996</b> , 29, 540-545	5.5	93
286	Recent Advances in the Chemistry of Alkylidene and Metallacyclobutane Complexes. <i>Progress in Inorganic Chemistry</i> , 1-74		92
285	Dipyrrolyl precursors to bisalkoxide molybdenum olefin metathesis catalysts. <i>Journal of the American Chemical Society</i> , <b>2006</b> , 128, 16373-5	16.4	91
284	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> , <b>2001</b> , 123, 7767-78	16.4	90
283	Rate of interconversion of syn and anti rotamers of Mo(CHCMe2Ph)(NAr)(OR)2 and relative reactivity toward 2,3-bis(trifluoromethyl)norbornadiene. <i>Journal of the American Chemical Society</i> , <b>1992</b> , 114, 7588-7590	16.4	90
282	Trigonal-Monopyramidal MIII Complexes of the Type [M(N3N)] (M = Ti, V, Cr, Mn, Fe; N3N = [(tBuMe2Si)documentclass{article}usepackage{amssymb}pagestyle{empty}begin{document}\$mathop {rm N}limits^hbox{..}}_{raise3ptbox{..}}\$end{document}CH2CH2]3N). <i>Angewandte Chemie - International Edition in English</i> , <b>1992</b> , 31, 1501-1503		90
281	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)(CHCMe2Ph)(OR)2. Observation of a Temperature-Dependent Cis/Trans Ratio. <i>Macromolecules</i> , <b>1995</b> , 28, 5933-5940	5.5	89
280	Dynamics of silica-supported catalysts determined by combining solid-state NMR spectroscopy and DFT calculations. <i>Journal of the American Chemical Society</i> , <b>2008</b> , 130, 5886-900	16.4	88
279	The First Polymer-Supported and Recyclable Chiral Catalyst for Enantioselective Olefin Metathesis. <i>Angewandte Chemie - International Edition</i> , <b>2002</b> , 41, 589-593	16.4	88
278	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> , <b>2012</b> , 134, 2788-99	16.4	87
277	Room Temperature Z-Selective Homocoupling of Olefins by Tungsten Catalysts. <i>Organometallics</i> , <b>2011</b> , 30, 1780-1782	3.8	87
276	Alkylidene and metalacyclic 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> , <b>2003</b> , 125, 2652-66	16.4	87
275	Synthesis of Titanium, Zirconium, and Hafnium Complexes that Contain Diamido Donor Ligands of the Type [(t-BuN-o-C6H4)2O]2-and an Evaluation of Activated Versions for the Polymerization of 1-Hexene. <i>Organometallics</i> , <b>1999</b> , 18, 3649-3670	3.8	87

274	Multiple metal-carbon bonds. 34. Metathesis of acetylenes by molybdenum(VI) alkylidyne complexes. <i>Journal of the American Chemical Society</i> , <b>1984</b> , 106, 4067-4068	16.4	87
273	Formation of cyclopentadienyl complexes from tungstenacyclobutadiene complexes and the x-ray crystal structure of an .eta.3-cyclopropenyl complex, W[C(CMe <sub>3</sub> )C(Me)C(Me)](Me <sub>2</sub> NCH <sub>2</sub> CH <sub>2</sub> NMe <sub>2</sub> )Cl <sub>3</sub> . <i>Organometallics</i> , <b>1984</b> , 3, 1574-1583	3.8	86
272	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> , <b>2000</b> , 122, 7841-7842	16.4	85
271	Endo-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> , <b>2009</b> , 131, 10652-61	16.4	84
270	Efficient enantioselective synthesis of piperidines through catalytic asymmetric ring-opening/cross-metathesis reactions. <i>Angewandte Chemie - International Edition</i> , <b>2007</b> , 46, 4534-8	16.4	84
269	Kinetically controlled E-selective catalytic olefin metathesis. <i>Science</i> , <b>2016</b> , 352, 569-75	33.3	84
268	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> , <b>2008</b> , 105, 12123-7	11.5	83
267	Highly active, stable, and selective well-defined silica supported mo imido olefin metathesis catalysts. <i>Journal of the American Chemical Society</i> , <b>2007</b> , 129, 1044-5	16.4	83
266	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> , <b>2007</b> , 129, 12654-5	16.4	83
265	Living Polymerization of (o-(Trimethylsilyl)phenyl)acetylene Using "Small Alkoxide" Molybdenum(VI) Initiators. <i>Organometallics</i> , <b>1994</b> , 13, 3396-3398	3.8	83
264	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> , <b>2000</b> , 19, 3700-3715	3.8	81
263	Preparation and reactivity of tungsten(VI) metallacyclobutane complexes. Square pyramids versus trigonal bipyramids. <i>Organometallics</i> , <b>1990</b> , 9, 2535-2548	3.8	81
262	Triamidoamine Complexes of Molybdenum and Tungsten That Contain Metal-E (E = N, P, and As) Single, Double, or Triple Bonds. <i>Journal of the American Chemical Society</i> , <b>1997</b> , 119, 11037-11048	16.4	80
261	A well-defined rhenium(VII) olefin metathesis catalyst. <i>Journal of the American Chemical Society</i> , <b>1990</b> , 112, 2448-2449	16.4	80
260	Synthesis and characterization of tungsten oxo neopentylidene complexes. <i>Organometallics</i> , <b>1982</b> , 1, 148-155	3.8	80
259	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> , <b>2004</b> , 101, 5805-9	11.5	79
258	Enantioselective synthesis of medium-ring heterocycles, tertiary ethers, and tertiary alcohols by Mo-catalyzed ring-closing metathesis. <i>Journal of the American Chemical Society</i> , <b>2002</b> , 124, 2868-9	16.4	79
257	Tandem Catalytic Asymmetric Ring-Opening Metathesis/Cross Metathesis. <i>Journal of the American Chemical Society</i> , <b>1999</b> , 121, 11603-11604	16.4	79

256	Reaction of neopentylidene complexes of the type M(CH-t-Bu)(N-2,6-C6H3-i-Pr2)(OR)2 (M = W, Mo) with methyl acrylate and N,N-dimethylacrylamide to give metallacyclobutane complexes. <i>Organometallics</i> , <b>1989</b> , 8, 2260-2265	3.8	79
255	Olefin Metathesis by Well-Defined Complexes of Molybdenum and Tungsten. <i>Topics in Organometallic Chemistry</i> , <b>1998</b> , 1-36	0.6	78
254	Derivatization of Dinitrogen by Molybdenum in Triamidoamine Complexes. <i>Inorganic Chemistry</i> , <b>1998</b> , 37, 5149-5158	5.1	77
253	Reduction of dinitrogen. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2006</b> , 103, 17087	11.5	77
252	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> , <b>2002</b> , 124, 10779-84	16.4	77
251	.alpha.-Elimination Can Be Faster than .beta.-Elimination in d2 Alkyl Complexes of Molybdenum and Tungsten That Contain the Trimethylsilyl-Substituted Triamidoamine Ligand. <i>Journal of the American Chemical Society</i> , <b>1995</b> , 117, 6609-6610	16.4	77
250	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> , <b>2007</b> , 129, 8434-5	16.4	76
249	CH Bond Activation in Cations of the Type {[2,4,6-Me3C6H2NCH2CH2)2NMe]ZrR}+ and a Simple Solution that Yields a Catalyst for the Living Polymerization of 1-Hexene. <i>Organometallics</i> , <b>2001</b> , 20, 1056-1058 <sup>3.8</sup> 76	3.8	76
248	Synthesis of Group 4 Complexes That Contain the Tridentate Diamido/Donor Ligands [(ArylNCH2CH2)2O]2- and Zirconium Complexes That Contain [(ArylNCH2CH2)2S]2- and an Evaluation of Their Activity for the Polymerization of 1-Hexene. <i>Organometallics</i> , <b>1998</b> , 17, 4795-4812	3.8	76
247	Multiple metal-carbon bonds. 32. Rhenium(VII) neopentylidene and neopentylidyne complexes and the x-ray structure of Re(CCMe3)(CHCMe3)(C5H5N)2. <i>Organometallics</i> , <b>1983</b> , 2, 1505-1513	3.8	76
246	. <i>Journal of the American Chemical Society</i> , <b>1980</b> , 102, 6236-6244	16.4	76
245	Multiple metal-carbon bonds. 27. Preparation of tungsten(VI) phenylimido alkyl and alkylidene complexes. <i>Journal of the American Chemical Society</i> , <b>1982</b> , 104, 7483-7491	16.4	75
244	Tantalum carbyne complex. <i>Journal of the American Chemical Society</i> , <b>1975</b> , 97, 2935-2935	16.4	75
243	Molybdenum-based complexes with two aryloxides and a pentafluoroimido ligand: catalysts for efficient Z-selective synthesis of a macrocyclic trisubstituted alkene by ring-closing metathesis. <i>Angewandte Chemie - International Edition</i> , <b>2013</b> , 52, 1939-43	16.4	73
242	Bixation of Dinitrogen by Molybdenum and the Formation of a Trigonal Planar IronTris[molybdenum(dinitrogen)] Complex. <i>Journal of the American Chemical Society</i> , <b>1997</b> , 119, 2753-2754 <sup>16.4</sup> 73	16.4	73
241	Metallacyclopentane to metallacyclobutane ring contraction. <i>Journal of the American Chemical Society</i> , <b>1979</b> , 101, 5451-5453	16.4	73
240	Molybdenum Imido Alkylidene Metathesis Catalysts that Contain Electron Withdrawing Biphenolates or Binaphtholates. <i>Organometallics</i> , <b>2007</b> , 26, 2528-2539	3.8	72
239	Catalytic reduction of dinitrogen under mild conditions. <i>Chemical Communications</i> , <b>2003</b> , 2389-91	5.8	72

238	Reduction of molybdenum imido-alkylidene complexes in the presence of olefins to give molybdenum(IV) complexes. <i>Organometallics</i> , <b>1991</b> , 10, 2902-2907	3.8	72
237	Z-selective metathesis homocoupling of 1,3-dienes by molybdenum and tungsten monoaryloxide pyrrolide (MAP) complexes. <i>Journal of the American Chemical Society</i> , <b>2012</b> , 134, 11334-7	16.4	71
236	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> , <b>1992</b> , 114, 3367-3380	16.4	71
235	Evaluation of Molybdenum and Tungsten Metathesis Catalysts for Homogeneous Tandem Alkane Metathesis. <i>Organometallics</i> , <b>2009</b> , 28, 355-360	3.8	70
234	Synthesis and Decomposition of Alkyl Complexes of Tungsten(IV) That Contain a [(Me3SiNCH2CH2)3N]3-Ligand. <i>Organometallics</i> , <b>1997</b> , 16, 5195-5208	3.8	70
233	Fundamental studies of tungsten alkylidene imido monoalkoxidepyrrolide complexes. <i>Journal of the American Chemical Society</i> , <b>2009</b> , 131, 7770-80	16.4	69
232	NMR detection of living intermediates prepared from activated [NON]ZrMe2 ([NON]2B[(t-Bu-d6-N-o-C6H4)2O]2) and olefins. <i>Journal of Organometallic Chemistry</i> , <b>1998</b> , 557, 69-75	2.3	69
231	Supported chiral Mo-based complexes as efficient catalysts for enantioselective olefin metathesis. <i>Journal of the American Chemical Society</i> , <b>2004</b> , 126, 10945-53	16.4	69
230	A well-defined silica-supported tungsten oxo alkylidene is a highly active alkene metathesis catalyst. <i>Journal of the American Chemical Society</i> , <b>2013</b> , 135, 19068-70	16.4	68
229	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> , <b>2007</b> , 9, 2871-4	6.2	68
228	Metathetical reactions of rhenium(VII) alkylidene-alkylidyne complexes of the type Re(CR')(CHR')[OCMe(CF3)2]2 (R' = CMe3 or CMe2Ph) with terminal and internal olefins. <i>Journal of the American Chemical Society</i> , <b>1993</b> , 115, 127-137	16.4	67
227	Electroluminescence from New Polynorbornenes That Contain Blue-Light-Emitting and Charge-Transport Side Chains. <i>Macromolecules</i> , <b>1997</b> , 30, 3553-3559	5.5	66
226	Living Ring-Opening Metathesis Polymerization of Cyclopropenes. <i>Macromolecules</i> , <b>2006</b> , 39, 1316-1317	5.5	66
225	Enantioselective synthesis of cyclic secondary amines through Mo-catalyzed asymmetric ring-closing metathesis (ARCM). <i>Organic Letters</i> , <b>2003</b> , 5, 4899-902	6.2	66
224	Low-temperature neutron diffraction studies of carbon-hydrogen-metal interactions in two tantalum-neopentylidene complexes: [Ta(CHCMe3)(PMo3)Cl3]2 [T = 110 K] and the first alkylidene/olefin complex, Ta(.eta.5-C5Me5)(CHCMe3)(.eta.2-C2H4)(PMo3) [T = 20 K]. <i>Journal of the American Chemical Society</i> , <b>1991</b> , 113, 169-176	16.4	66
223	Organometallic Complexes of Tantalum That Contain the Triamidoamine Ligand, [(Me3SiNCH2CH2)3N]3-, Including an Ethylidene Complex Formed via a Phosphine-Catalyzed Rearrangement of an Ethylene Complex. <i>Journal of the American Chemical Society</i> , <b>1994</b> , 116, 6476-6477	16.4	64
222	Ring-opening polymerization of norbornene by a tantalum catalyst: a living polymerization. <i>Macromolecules</i> , <b>1987</b> , 20, 448-450	5.5	64
221	The discovery of Mo(III) in FeMoco: reuniting enzyme and model chemistry. <i>Journal of Biological Inorganic Chemistry</i> , <b>2015</b> , 20, 447-60	3.7	63

220	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 <sub>3</sub> )(PPh <sub>3</sub> )(PEt <sub>3</sub> ) <sub>2</sub> Cl <sub>2</sub> . <i>Organometallics</i> , <b>1982</b> , 1, 1332-1338	3.8	63
219	Alkyne metathesis by molybdenum and tungsten alkylidyne complexes. <i>Chemical Communications</i> , <b>2013</b> , 49, 5529-31	5.8	62
218	An enantiomerically pure adamantlylido molybdenum alkylidene complex. An effective new catalyst for enantioselective olefin metathesis. <i>Journal of the American Chemical Society</i> , <b>2003</b> , 125, 2591-6	16.4	62
217	Kinetically E-selective macrocyclic ring-closing metathesis. <i>Nature</i> , <b>2017</b> , 541, 380-385	50.4	61
216	Synthesis of Tungsten Oxo Alkylidene Complexes. <i>Organometallics</i> , <b>2012</b> , 31, 7278-7286	3.8	61
215	The significance of degenerate processes to enantioselective olefin metathesis reactions promoted by stereogenic-at-Mo complexes. <i>Journal of the American Chemical Society</i> , <b>2009</b> , 131, 16407-9	16.4	61
214	Preparation and Activation of Complexes of the Type [(mesityl)NCH <sub>2</sub> CH <sub>2</sub> ) <sub>2</sub> NX]ZrMe <sub>2</sub> (X = H, Me) with [Ph <sub>3</sub> C][B(C <sub>6</sub> F <sub>5</sub> ) <sub>4</sub> ] or [PhNMe <sub>2</sub> H][B(C <sub>6</sub> F <sub>5</sub> ) <sub>4</sub> ]. <i>Organometallics</i> , <b>2000</b> , 19, 5325-5341	3.8	61
213	New Chiral Molybdenum Catalysts for Asymmetric Olefin Metathesis that Contain 3,3'-Disubstituted Octahydrobinaphthalate or 2,6-Dichlorophenylimido Ligands. <i>Organometallics</i> , <b>2002</b> , 21, 409-417	3.8	60
212	Modular Mo-based catalysts for efficient asymmetric olefin metathesis. Catalytic enantioselective synthesis of cyclic ethers and acetals. <i>Tetrahedron Letters</i> , <b>2000</b> , 41, 9553-9559	2	60
211	Tantalum complexes containing diimido bridging dinitrogen ligands. <i>Journal of the American Chemical Society</i> , <b>1980</b> , 102, 7809-7811	16.4	60
210	Synthesis of molybdenum complexes that contain "hybrid" triamidoamine ligands, [(hexaisopropylterphenyl-NCH <sub>2</sub> CH <sub>2</sub> ) <sub>2</sub> NCH <sub>2</sub> CH <sub>2</sub> N-aryl] <sub>3</sub> -, and studies relevant to catalytic reduction of dinitrogen. <i>Inorganic Chemistry</i> , <b>2006</b> , 45, 9185-96	5.1	59
209	A molecule containing the OWOWO unit. Synthesis, structure and spectroscopy of hexaneopentylditungsten trioxide. <i>Journal of the American Chemical Society</i> , <b>1984</b> , 106, 6305-6310	16.4	59
208	Stereospecific Ring-Opening Metathesis Polymerization (ROMP) of endo-Dicyclopentadiene by Molybdenum and Tungsten Catalysts. <i>Macromolecules</i> , <b>2015</b> , 48, 2480-2492	5.5	58
207	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> , <b>2006</b> , 128, 5153-7	16.4	58
206	Synthesis of triamidoamine ligands of the type (ArylNHCH(2)CH(2))(3)N and molybdenum and tungsten complexes that contain an [ArylNCH(2)CH(2))(3)N] <sub>3</sub> - ligand. <i>Inorganic Chemistry</i> , <b>2001</b> , 40, 3850-60	5.1	58
205	Catalytic Z-selective cross-metathesis in complex molecule synthesis: a convergent stereoselective route to disorazole C1. <i>Journal of the American Chemical Society</i> , <b>2014</b> , 136, 16136-9	16.4	57
204	Fundamental Studies of Molybdenum and Tungsten Methylidene and Metallacyclobutane Complexes. <i>Organometallics</i> , <b>2010</b> , 29, 5241-5251	3.8	57
203	Living Polymerization of 1-Hexene by Cationic Zirconium and Hafnium Complexes that Contain a Diamido/Donor Ligand of the Type [H <sub>3</sub> CC(2-C <sub>5</sub> H <sub>4</sub> N)(CH <sub>2</sub> NMesityl) <sub>2</sub> ] <sub>2</sub> - A Comparison of Methyl and Isobutyl Initiators. <i>Organometallics</i> , <b>2003</b> , 22, 4569-4583	3.8	57

202	Phosphinidentantal(v)-Komplexe des Typs $[(N_3N)Ta?PR]$ als Phospha-Wittig-Reagentien ( $R = Ph, Cy, tBu; N_3N = (Me_3SiNCH_2CH_2)3N$ ). <i>Angewandte Chemie</i> , <b>1993</b> , 105, 758-761	3.6	57
201	Inversion of configuration at the metal in diastereomeric imido alkylidene monoaryloxide monopyrrolide complexes of molybdenum. <i>Journal of the American Chemical Society</i> , <b>2009</b> , 131, 58-9	16.4	56
200	Formation of dimers that contain unbridged W(IV)/W(IV) double bonds. <i>Journal of the American Chemical Society</i> , <b>2004</b> , 126, 9526-7	16.4	56
199	Synthesis and Reactions of Tungsten Alkylidene Complexes That Contain the 2,6-Dichlorophenylimido Ligand. <i>Organometallics</i> , <b>2007</b> , 26, 1279-1290	3.8	55
198	Synthesis of $[(HIPTNCH_2CH_2)3N]V$ compounds (HIPT = 3,5-(2,4,6-i-Pr <sub>3</sub> C <sub>6</sub> H <sub>2</sub> ) <sub>2</sub> C <sub>6</sub> H <sub>3</sub> ) and an evaluation of vanadium for the reduction of dinitrogen to ammonia. <i>Inorganic Chemistry</i> , <b>2006</b> , 45, 9197-205	5.1	55
197	Synthesis, structure, and electrochemical studies of molybdenum and tungsten dinitrogen, diazenido, and hydrazido complexes that contain aryl-substituted triamidoamine ligands. <i>Inorganic Chemistry</i> , <b>2001</b> , 40, 3861-78	5.1	55
196	Spontaneous Loss of Molecular Hydrogen from Tungsten(IV) Alkyl Complexes To Give Alkylidyne Complexes. <i>Journal of the American Chemical Society</i> , <b>1994</b> , 116, 12103-12104	16.4	55
195	Stereospecific Ring-Opening Metathesis Polymerization (ROMP) of Norbornene and Tetracyclododecene by Mo and W Initiators. <i>Macromolecules</i> , <b>2015</b> , 48, 2493-2503	5.5	54
194	Synthesis and Evaluation of Molybdenum and Tungsten Monoaryloxide Halide Alkylidene Complexes for Z-Selective Cross-Metathesis of Cyclooctene and Z-1,2-Dichloroethylene. <i>Journal of the American Chemical Society</i> , <b>2016</b> , 138, 15774-15783	16.4	53
193	Rational Design of Highly Active Hybrid Phosphine-Phosphinite Pincer Iridium Catalysts for Alkane Metathesis. <i>ACS Catalysis</i> , <b>2013</b> , 3, 2505-2514	13.1	53
192	Imido Alkylidene Bispyrrolyl Complexes of Tungsten. <i>Organometallics</i> , <b>2007</b> , 26, 5702-5711	3.8	53
191	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> , <b>2001</b> , 20, 5658-5669	3.8	53
190	Preparation of macrocyclic Z-enoates and (E,Z)- or (Z,E)-dienoates through catalytic stereoselective ring-closing metathesis. <i>Journal of the American Chemical Society</i> , <b>2014</b> , 136, 16493-6	16.4	52
189	Synthesis of Aryl-Substituted Triamidoamine Ligands and Molybdenum(IV) Complexes that Contain Them. <i>Organometallics</i> , <b>1998</b> , 17, 5591-5593	3.8	52
188	Z-Selective Ring-Opening Metathesis Polymerization of 3-Substituted Cyclooctenes by Monoaryloxide Pyrrolide Imido Alkylidene (MAP) Catalysts of Molybdenum and Tungsten. <i>Organometallics</i> , <b>2013</b> , 32, 4843-4850	3.8	51
187	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> , <b>2009</b> , 15, 5083-9	4.8	51
186	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> , <b>2004</b> , 23, 1997-2007	3.8	51
185	Trigonal-bipyramidal and square-pyramidal tungstacyclobutane intermediates are both present in systems in which olefins are metathesized by complexes of the type $W(CHR')(N-2,6-C_6H_3\text{-iso-}Pr_2)(OR)_2$ . <i>Organometallics</i> , <b>1989</b> , 8, 2266-2268	3.8	51

184	Catalytic synthesis of n-alkyl arenes through alkyl group cross-metathesis. <i>Journal of the American Chemical Society</i> , <b>2013</b> , 135, 12572-5	16.4	50
183	Experimental and theoretical EPR study of Jahn-Teller-active [HIPTN(3)N]MoL complexes (L = N(2), CO, NH(3)). <i>Journal of the American Chemical Society</i> , <b>2010</b> , 132, 8645-56	16.4	50
182	Synthesis of Zirconium Complexes That Contain the Diamidophosphine Ligands [(Me3SiNCH2CH2)2PPh]2- or [(RNSiMe2CH2)2PPh]2- (R = t-Bu or 2,6-Me2C6H3). <i>Organometallics</i> , <b>1999</b> , 18, 428-437	3.8	50
181	Synthesis of E- and Z-trisubstituted alkenes by catalytic cross-metathesis. <i>Nature</i> , <b>2017</b> , 552, 347-354	50.4	49
180	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> , <b>2012</b> , 31, 6231-6243	3.8	49
179	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> , <b>2005</b> , 83, 341-357	0.9	49
178	Preparation of tantalum .mu.-dinitrogen complexes from molecular nitrogen and reduced tantalum complexes. <i>Organometallics</i> , <b>1982</b> , 1, 703-707	3.8	49
177	Synthesis of [(DPPNCH2CH2)3N]3- molybdenum complexes (DPP = 3,5-(2,5-Diisopropylpyrrolyl)2C6H3) and studies relevant to catalytic reduction of dinitrogen. <i>Journal of the American Chemical Society</i> , <b>2010</b> , 132, 8349-58	16.4	48
176	Tungsten and Molybdenum Alkyl or Aryl Complexes That Contain the [(C6F5NCH2CH2)3N]3- Ligand. <i>Organometallics</i> , <b>1998</b> , 17, 1058-1068	3.8	48
175	Alkyl, Alkylidene, and Alkylidyne Complexes of Rhenium. <i>Organometallics</i> , <b>1995</b> , 14, 1875-1884	3.8	47
174	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> , <b>1985</b> , 4, 1937-1944	3.8	47
173	Catalytic Z-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> , <b>2013</b> , 52, 8395-400	16.4	46
172	Bulky aryloxide ligand stabilizes a heterogeneous metathesis catalyst. <i>Angewandte Chemie - International Edition</i> , <b>2014</b> , 53, 14221-4	16.4	46
171	Synthesis of Vanadium(III), -(IV), and -(V) Complexes That Contain the Pentafluorophenyl-Substituted Triamidoamine Ligand [(C6F5NCH2CH2)3N]3-. <i>Inorganic Chemistry</i> , <b>1996</b> , 35, 3695-3701	5.1	46
170	Synthesis of Titanium, Zirconium, and Hafnium Complexes That Contain the [(MesitylO-C6H4)2O]2- Ligand. <i>Organometallics</i> , <b>2000</b> , 19, 2526-2531	3.8	43
169	Electronic Structure of Mo(VI) Alkylidene Complexes and an Examination of Reactive Intermediates Using the SCF-X.alpha.-SW Method. <i>Organometallics</i> , <b>1994</b> , 13, 2804-2815	3.8	43
168	An electrochemical investigation of intermediates and processes involved in the catalytic reduction of dinitrogen by [HIPTN3N]Mo (HIPTN3N = (3,5-(2,4,6-i-Pr3C6H2)2C6H3NCH2CH2)3N). <i>Dalton Transactions</i> , <b>2012</b> , 41, 130-7	4.3	42
167	Facile Synthesis of a Tungsten Alkylidyne Catalyst for Alkyne Metathesis. <i>Organometallics</i> , <b>2007</b> , 26, 475-487	47	42

166	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> , <b>2004</b> , 60, 7345-7351	2.4	42
165	Alkyl and Alkylidene Complexes of Tantalum That Contain a Triethylsilyl-Substituted Triamidoamine Ligand. <i>Organometallics</i> , <b>1996</b> , 15, 2777-2783	3.8	42
164	Monomere Molybdenum- und Wolframkomplexe mit einer Metall-Phosphor-Dreifachbindung. <i>Angewandte Chemie</i> , <b>1995</b> , 107, 2184-2186	3.6	42
163	Reactions of M(N-2,6-i-Pr <sub>2</sub> C <sub>6</sub> H <sub>3</sub> )(CHR)(CH <sub>2</sub> R) <sub>2</sub> (M = Mo, W) Complexes with Alcohols To Give Olefin Metathesis Catalysts of the Type M(N-2,6-i-Pr <sub>2</sub> C <sub>6</sub> H <sub>3</sub> )(CHR)(CH <sub>2</sub> R) <sub>2</sub> (OR) <sub>2</sub> . <i>Organometallics</i> , <b>2006</b> , 25, 1412-1423	3.8	41
162	Formation of High-Oxidation-State Metal-Carbon Double Bonds. <i>Organometallics</i> , <b>2017</b> , 36, 1884-1892	3.8	40
161	Tungsten Oxo Alkylidene Complexes as Initiators for the Stereoregular Polymerization of 2,3-Dicarbomethoxynorbornadiene. <i>Organometallics</i> , <b>2014</b> , 33, 2313-2325	3.8	40
160	Stereospecific ring-opening metathesis polymerization of norbornadienes employing tungsten oxo alkylidene initiators. <i>Journal of the American Chemical Society</i> , <b>2014</b> , 136, 10910-3	16.4	40
159	Syntheses and Structures of Molybdenum Imido Alkylidene Pyrrolide and Indolide Complexes. <i>Organometallics</i> , <b>2008</b> , 27, 6570-6578	3.8	40
158	Reactions of Mo(NAr)(CH-t-Bu)(CH <sub>2</sub> -t-Bu) <sub>2</sub> with Alcohols To Give Metathesis Catalysts of the Type Mo(NAr)(CH-t-Bu)(CH <sub>2</sub> -t-Bu)(OR). <i>Organometallics</i> , <b>2004</b> , 23, 1643-1645	3.8	40
157	A One-Pot Tandem Olefin Isomerization/Metathesis-Coupling (ISOMET) Reaction. <i>ACS Catalysis</i> , <b>2014</b> , 4, 3069-3076	13.1	39
156	Synthesis of [(HIPTNCH <sub>2</sub> CH <sub>2</sub> ) <sub>3</sub> N]Cr Compounds (HIPT = 3,5-(2,4,6-i-Pr <sub>3</sub> C <sub>6</sub> H <sub>2</sub> ) <sub>2</sub> C <sub>6</sub> H <sub>3</sub> ) and an evaluation of chromium for the reduction of dinitrogen to ammonia. <i>Inorganic Chemistry</i> , <b>2006</b> , 45, 7111-7118 <sup>1</sup>	3.8	39
155	Zirconium Complexes That Contain a Diamido O-Donor Ligand with a Restricted Geometry. <i>Organometallics</i> , <b>1999</b> , 18, 3220-3227	3.8	39
154	Surface versus Molecular Siloxy Ligands in Well-Defined Olefin Metathesis Catalysts: [{(RO) <sub>3</sub> SiO}Mo(?NAr)(?CHtBu)(CH <sub>2</sub> tBu)]. <i>Angewandte Chemie</i> , <b>2006</b> , 118, 1238-1242	3.6	38
153	Synthesis of High Oxidation State Bimetallic Alkylidene Complexes for Controlled ROMP Synthesis of Triblock Copolymers. <i>Organometallics</i> , <b>2005</b> , 24, 5058-5066	3.8	38
152	Understanding the reactivity of [WNAr(CH <sub>2</sub> tBu) <sub>2</sub> (CHtBu)] (Ar = 2,6-iPrC <sub>6</sub> H <sub>3</sub> ) with silica partially dehydroxylated at low temperatures through a combined use of molecular and surface organometallic chemistry. <i>Journal of Organometallic Chemistry</i> , <b>2006</b> , 691, 5448-5455	2.3	38
151	Optical Spectroscopy of Long Polyenes. <i>Journal of Physical Chemistry A</i> , <b>2004</b> , 108, 8229-8236	2.8	38
150	Multiple metal-carbon bonds. 44. Isolation and characterization of the first simple tantalacyclobutane complexes. <i>Organometallics</i> , <b>1986</b> , 5, 2162-2164	3.8	38
149	Endo-selective enyne ring-closing metathesis promoted by stereogenic-at-W mono-pyrrolide complexes. <i>Organic Letters</i> , <b>2011</b> , 13, 784-7	6.2	37

148	Stereospecific Ring-Opening Metathesis Polymerization of 3-Methyl-3-phenylcyclopropene by Molybdenum Alkylidene Initiators. <i>Macromolecules</i> , <b>2008</b> , 41, 2990-2993	5.5	37
147	Molybdenum alkylidyne complexes that contain a 3,3?-di-t-butyl-5,5?,6,6?-tetramethyl-1,1?-biphenyl-2,2?-diolate ([Biphen]2?)ligand. <i>Journal of Organometallic Chemistry</i> , <b>2003</b> , 684, 56-67	2.3	36
146	Synthesis of [(Me <sub>3</sub> SiNCH <sub>2</sub> CH <sub>2</sub> ) <sub>3</sub> N]3-and [(C <sub>6</sub> F <sub>5</sub> NCH <sub>2</sub> CH <sub>2</sub> ) <sub>3</sub> N]3-Complexes of Molybdenum and Tungsten That Contain CO, Isocyanides, or Ethylene. <i>Organometallics</i> , <b>2000</b> , 19, 1132-1149	3.8	36
145	Syntheses of Molybdenum Oxo Alkylidene Complexes through Addition of Water to an Alkylidene Complex. <i>Journal of the American Chemical Society</i> , <b>2018</b> , 140, 2797-2800	16.4	35
144	Synthesis of High Oxidation State Molybdenum Imido Heteroatom-Substituted Alkylidene Complexes. <i>Organometallics</i> , <b>2013</b> , 32, 4612-4617	3.8	35
143	Molybdenum triamidoamine systems. Reactions involving dihydrogen relevant to catalytic reduction of dinitrogen. <i>Inorganic Chemistry</i> , <b>2009</b> , 48, 8569-77	5.1	35
142	Dimers that Contain Unbridged W(IV)/W(IV) Double Bonds. <i>Organometallics</i> , <b>2006</b> , 25, 1978-1986	3.8	35
141	Molybdenum, Tungsten, and Rhenium d <sub>2</sub> Complexes That Contain the [(C <sub>6</sub> F <sub>5</sub> NCH <sub>2</sub> CH <sub>2</sub> ) <sub>2</sub> NMe]2-Ligand. <i>Organometallics</i> , <b>2000</b> , 19, 2414-2416	3.8	35
140	Aqueous tungsten(VI) alkyl chemistry. <i>Journal of the American Chemical Society</i> , <b>1983</b> , 105, 7176-7177	16.4	35
139	B(C <sub>6</sub> F <sub>5</sub> ) <sub>3</sub> Activation of Oxo Tungsten Complexes That Are Relevant to Olefin Metathesis. <i>Organometallics</i> , <b>2013</b> , 32, 5256-5259	3.8	34
138	Proof of Tacticity of Stereoregular ROMP Polymers through Post Polymerization Modification. <i>Macromolecules</i> , <b>2015</b> , 48, 3148-3152	5.5	33
137	Cationic Molybdenum Imido Alkylidene Complexes. <i>Organometallics</i> , <b>2008</b> , 27, 4428-4438	3.8	33
136	Catalytic reduction of dinitrogen to ammonia at well-defined single metal sites. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , <b>2005</b> , 363, 959-69; discussion 1033-40	3.8	33
135	E- and Z-, di- and tri-substituted alkenyl nitriles through catalytic cross-metathesis. <i>Nature Chemistry</i> , <b>2019</b> , 11, 478-487	17.6	32
134	Simple Molybdenum(IV) Olefin Complexes of the Type Mo(NR)(X)(Y)(olefin). <i>Organometallics</i> , <b>2010</b> , 29, 6816-6828	3.8	32
133	Protonation of the dinitrogen-reduction catalyst [HIPTN <sub>3</sub> N]Mo(III) investigated by ENDOR spectroscopy. <i>Inorganic Chemistry</i> , <b>2011</b> , 50, 418-20	5.1	32
132	Dramatic enhancement of the alkene metathesis activity of Mo imido alkylidene complexes upon replacement of one tBuO by a surface siloxy ligand. <i>Dalton Transactions</i> , <b>2008</b> , 3156-8	4.3	32
131	Preparation of anionic tungsten(VI) alkyl complexes containing oxo or sulfido ligands and the x-ray structure of [N(C <sub>2</sub> H <sub>5</sub> ) <sub>4</sub> ]{WO <sub>2</sub> [OC(CH <sub>3</sub> ) <sub>2</sub> C(CH <sub>3</sub> ) <sub>2</sub> O][CH <sub>2</sub> C(CH <sub>3</sub> ) <sub>3</sub> ]}. <i>Organometallics</i> , <b>1985</b> , 4, 1189-1193	3.8	32

130	Synthesis and ROMP Chemistry of Decafluoroterphenoxide Molybdenum Imido Alkylidene and Ethylene Complexes. <i>Organometallics</i> , <b>2013</b> , 32, 2983-2992	3.8	31
129	Formation of {[HIPTN(3)N]Mo(III)H}(-) by heterolytic cleavage of H(2) as established by EPR and ENDOR spectroscopy. <i>Inorganic Chemistry</i> , <b>2010</b> , 49, 704-13	5.1	31
128	Reaction of Phosphoranes with Mo(N-2,6-i-Pr <sub>2</sub> C <sub>6</sub> H <sub>3</sub> )(CHCMe <sub>3</sub> )[OCMe(CF <sub>3</sub> ) <sub>2</sub> ] <sub>2</sub> : Synthesis and Reactivity of an Anionic Imido Alkyldyne Complex. <i>Organometallics</i> , <b>2006</b> , 25, 4301-4306	3.8	31
127	Synthesis and Structures of Zirconium and Hafnium Alkyl Complexes That Contain [H <sub>3</sub> CC(2-C <sub>5</sub> H <sub>4</sub> N)(CH <sub>2</sub> NAr) <sub>2</sub> ] <sub>2</sub> - ([ArNpy] <sub>2</sub> -; Ar = Mesityl, Triisopropylphenyl) Ligands. <i>Organometallics</i> , <b>2002</b> , 21, 5785-5798	3.8	31
126	Olefin Metathesis Reactions Initiated by d <sub>2</sub> Molybdenum or Tungsten Complexes. <i>Organometallics</i> , <b>2005</b> , 24, 5211-5213	3.8	30
125	Rhenium(VII) monoimido alkylidene complexes: synthesis, structure, and Lewis-acid-cocatalyzed olefin metathesis. <i>Organometallics</i> , <b>1991</b> , 10, 1844-1851	3.8	30
124	Pentafluorophenylimido Alkylidene Complexes of Molybdenum and Tungsten. <i>Organometallics</i> , <b>2012</b> , 31, 4650-4653	3.8	29
123	Monoaryloxide 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> , <b>2013</b> , 32, 2489-2492	3.8	29
122	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> , <b>2006</b> , 39, 3993-4000	5.5	29
121	Synthesis of molybdenum alkylidene complexes that contain the 2,6-dimesitylphenylimido ligand. <i>Journal of the American Chemical Society</i> , <b>2011</b> , 133, 18142-4	16.4	28
120	Synthesis of Molybdenum(VI) Monoimido Alkyl and Alkylidene Complexes. <i>Organometallics</i> , <b>2005</b> , 24, 1929-1937	3.8	28
119	Synthesis of Rhenium Complexes That Contain the [(C <sub>6</sub> F <sub>5</sub> NCH <sub>2</sub> CH <sub>2</sub> ) <sub>3</sub> N]3- Ligand. <i>Organometallics</i> , <b>1998</b> , 17, 4077-4089	3.8	28
118	Synthesis of alternating trans-AB copolymers through ring-opening metathesis polymerization initiated by molybdenum alkylidenes. <i>Journal of the American Chemical Society</i> , <b>2015</b> , 137, 2239-42	16.4	26
117	Molybdenum and Tungsten Monoalkoxide Pyrrolide (MAP) Alkylidene Complexes That Contain a 2,6-Dimesitylphenylimido Ligand. <i>Organometallics</i> , <b>2013</b> , 32, 2373-2378	3.8	26
116	Molybdenum-Based Complexes with Two Aryloxides and a Pentafluoroimido Ligand: Catalysts for Efficient Z-Selective Synthesis of a Macrocyclic Trisubstituted Alkene by Ring-Closing Metathesis. <i>Angewandte Chemie</i> , <b>2013</b> , 125, 1993-1997	3.6	26
115	Cationic Imido Alkylidene Complexes of Molybdenum Supported by $\eta^1$ Diketonate and $\eta^1$ Diketiminate Ligands. <i>Organometallics</i> , <b>2006</b> , 25, 4725-4727	3.8	26
114	A Readily Available and User-Friendly Chiral Catalyst for Efficient Enantioselective Olefin Metathesis. <i>Angewandte Chemie</i> , <b>2001</b> , 113, 1500-1504	3.6	26
113	Synthesis of Molybdenum Imido Alkylidene Complexes Containing N,N $\text{E}$ Disubstituted 2,2 $\text{E}$ Bisamido-1,1 $\text{E}$ binaphthyl Ligands. <i>Organometallics</i> , <b>2000</b> , 19, 925-930	3.8	26

112	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> , <b>1991</b> , 113, 3610-3611	16.4	26
111	Alkyne Complexes of Tungsten(IV). <i>Angewandte Chemie International Edition in English</i> , <b>1983</b> , 22, 1010-1010	26	
110	Synthesis, Characterization, and Activation of Zirconium and Hafnium Dialkyl Complexes that Contain a C2-Symmetric Diaminobinaphthyl Dipyridine Ligand. <i>Organometallics</i> , <b>2005</b> , 24, 3335-3342	3.8	25
109	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> , <b>1981</b> , 204, C17-C20	2.3	25
108	Syntheses of Tungsten tert-Butylimido and Adamantylimido Alkylidene Complexes Employing Pyridinium Chloride As the Acid. <i>Organometallics</i> , <b>2012</b> , 31, 6522-6525	3.8	24
107	Synthesis of Molybdenum Imido Alkylidene Complexes That Contain Siloxides. <i>Organometallics</i> , <b>2007</b> , 26, 6674-6680	3.8	24
106	Catalytic homologation of vinyltributylstannane to allyltributylstannane by Mo(IV) complexes in the presence of ethylene. <i>Journal of the American Chemical Society</i> , <b>2004</b> , 126, 1948-9	16.4	24
105	Rhenium(III) and Rhenium(V) Complexes That Contain the (C6F5NCH2CH2)3N Ligand. <i>Organometallics</i> , <b>1996</b> , 15, 5-6	3.8	24
104	Synthesis of Molybdenum and Tungsten Alkylidene Complexes That Contain Sterically Demanding Arenethiolate Ligands. <i>Organometallics</i> , <b>2014</b> , 33, 5334-5341	3.8	23
103	Bipyridine Adducts of Molybdenum Imido Alkylidene and Imido Alkylidyne Complexes. <i>Organometallics</i> , <b>2012</b> , 31, 4558-4564	3.8	23
102	Grafting mechanism and olefin metathesis activity of well-defined silica-supported Mo imido alkyl alkylidene complexes. <i>Comptes Rendus Chimie</i> , <b>2008</b> , 11, 137-146	2.7	23
101	Evaluation of Zirconium and Hafnium Complexes that Contain the Electron-Withdrawing Diamido/Donor Ligand [(2,6-Cl2C6H3NCH2CH2)2NCH3]2- for the Polymerization of 1-Hexene. <i>Organometallics</i> , <b>2005</b> , 24, 857-866	3.8	23
100	Better characterization of surface organometallic catalysts through resolution enhancement in proton solid state NMR spectra. <i>Inorganic Chemistry</i> , <b>2006</b> , 45, 9587-92	5.1	23
99	Synthesis of Molybdenum and Tantalum Complexes that Contain Diamido/Donor Ligands of the Type [(3,5-Cl2C6H3NCH2CH2)2NMe]2- or [(3,5-Cl2C6H3NCH2)2C(2-C5H4N)(CH3)]2-. <i>Organometallics</i> , <b>2001</b> , 20, 5682-5689	3.8	23
98	Reversible 3 + 2 cycloaddition of ethylene to the C:Re.tplbond.C unit in rhenium complexes of the type Re(.tplbond.CCMe3)(:CHR')(OR)2. <i>Journal of the American Chemical Society</i> , <b>1993</b> , 115, 2980-2981	16.4	23
97	The Discovery and Development of High Oxidation State Mo and W Imido Alkylidene Complexes for Alkene Metathesis8-32	23	
96	Traceless Protection for More Broadly Applicable Olefin Metathesis. <i>Angewandte Chemie - International Edition</i> , <b>2019</b> , 58, 5365-5370	16.4	22
95	Synthesis of Linear (Z)-Unsaturated Esters by Catalytic Cross-Metathesis. The Influence of Acetonitrile. <i>Angewandte Chemie - International Edition</i> , <b>2016</b> , 55, 13210-13214	16.4	22

94	Synthesis of Methylidene Complexes that Contain a 2,6-Dimesitylphenylimido Ligand and Ethenolysis of 2,3-Dicarbomethoxynorbornadiene. <i>Organometallics</i> , <b>2013</b> , 32, 5573-5580	3.8	22
93	Synthesis of a TREN in which the aryl substituents are part of a 45 atom macrocycle. <i>Journal of the American Chemical Society</i> , <b>2013</b> , 135, 15338-41	16.4	22
92	Tris(pyrrolyl-alpha-methyl)amines that sterically protect a trigonal metal site. <i>Inorganic Chemistry</i> , <b>2007</b> , 46, 8463-5	5.1	22
91	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> , <b>2007</b> , 129, 3480-1	16.4	22
90	Operationally simple, efficient, and diastereoselective synthesis of cis-2,6-disubstituted-4-methylene tetrahydropyrans catalyzed by triflic acid. <i>Organic Letters</i> , <b>2006</b> , 8, 1871-4	6.2	22
89	Tungsten and molybdenum alkylidene complexes containing bulky thiolate ligands. <i>Organometallics</i> , <b>1988</b> , 7, 436-441	3.8	22
88	Recent advances in the chemistry of well-defined olefin and acetylene metathesis catalysts. <i>Journal of Molecular Catalysis</i> , <b>1985</b> , 28, 1-8		22
87	Synthesis of Molybdenum and Tungsten Alkylidene Complexes that Contain a tert-Butylimido Ligand. <i>Organometallics</i> , <b>2015</b> , 34, 4408-4418	3.8	21
86	Bulky Aryloxide Ligand Stabilizes a Heterogeneous Metathesis Catalyst. <i>Angewandte Chemie</i> , <b>2014</b> , 126, 14445-14448	3.6	21
85	Trigonal-monopyramidal M <sub>II</sub> -Komplexe des Typs [M(N <sub>3</sub> N)] (M = Ti, V, Cr, Mn, Fe; N <sub>3</sub> N = [(tBuMe <sub>2</sub> Si)documentclass{article}pagestyle{empty}begin{document}\$\$mathop{rm N}limits_{..}^{..}CH_2CH_2]3N). <i>Angewandte Chemie</i> , <b>1992</b> , 104, 1510-1512	3.6	21
84	Syntheses of Molybdenum Oxo Benzylidene Complexes. <i>Journal of the American Chemical Society</i> , <b>2018</b> , 140, 13609-13613	16.4	21
83	Stereoselective Ring-Opening Metathesis Polymerization (ROMP) of Methyl-N-(1-phenylethyl)-2-azabicyclo[2.2.1]hept-5-ene-3-carboxylate by Molybdenum and Tungsten Initiators. <i>Macromolecules</i> , <b>2015</b> , 48, 2006-2012	5.5	20
82	Molybdenum and Tungsten Alkylidene and Metallacyclobutane Complexes That Contain a Dianionic Biphenolate Pincer Ligand. <i>Organometallics</i> , <b>2016</b> , 35, 758-761	3.8	20
81	Some Reactions Involving [W(N-2,6-Me <sub>2</sub> C <sub>6</sub> H <sub>3</sub> )(OCMe <sub>2</sub> CF <sub>3</sub> ) <sub>2</sub> ] <sub>2</sub> , a Symmetric d <sub>2</sub> /d <sub>2</sub> Dimer that Contains No Bridging Ligands. <i>Organometallics</i> , <b>2008</b> , 27, 3857-3865	3.8	20
80	Carboxylate-Based Molybdenum Alkylidene Catalysts: Synthesis, Characterization, and Use as Initiators for 1,6-Heptadiyne Cyclopolymerizations. <i>Organometallics</i> , <b>2008</b> , 27, 3986-3995	3.8	20
79	Diphenylamido Precursors to Bisalkoxide Molybdenum Olefin Metathesis Catalysts. <i>Organometallics</i> , <b>2006</b> , 25, 4621-4626	3.8	20
78	The First Polymer-Supported and Recyclable Chiral Catalyst for Enantioselective Olefin Metathesis. <i>Angewandte Chemie</i> , <b>2002</b> , 114, 609-613	3.6	20
77	Formation of Alternating trans-A-alt-B Copolymers through Ring-Opening Metathesis Polymerization Initiated by Molybdenum Imido Alkylidene Complexes. <i>Organometallics</i> , <b>2015</b> , 34, 5136-5145	3.8	19

76	Some Organometallic Chemistry of Molybdenum Complexes that Contain the [HIPTN3N]3-Triamidoamine Ligand, {[3,5-(2,4,6-i-Pr3C6H2)2C6H3NCH2CH2]3N}3-. <i>Organometallics</i> , <b>2005</b> , 24, 4437-4450	3.8	19
75	The synthesis of trans-(Me <sub>3</sub> CO) <sub>3</sub> W=C(CH <sub>3</sub> ) <sub>2</sub> W(OCMe <sub>3</sub> ) <sub>3</sub> , cis,cis-(Me <sub>3</sub> CO) <sub>3</sub> W=C(CH <sub>3</sub> ) <sub>2</sub> C(CH <sub>3</sub> ) <sub>2</sub> W(OCMe <sub>3</sub> ) <sub>3</sub> , and related metal-capped ene-ynes, and evaluation of them as catalysts for preparing polydiacetylenes. <i>Journal of Organometallic Chemistry</i> , <b>1988</b> , 355, 257-265	2.3	19
74	Synthesis of Molybdenum and Tungsten Alkylidene Complexes That Contain the 2,6-Bis(2,4,6-triisopropylphenyl)phenylimido (NHIPT) Ligand. <i>Organometallics</i> , <b>2015</b> , 34, 2110-2113	3.8	18
73	Preparation of Tungsten-Based Olefin Metathesis Catalysts Supported on Alumina. <i>Advanced Synthesis and Catalysis</i> , <b>2011</b> , 353, 1985-1992	5.6	18
72	Molybdenum Imido Alkylidene Complexes that Contain a Diketiminate Ligand. <i>Organometallics</i> , <b>2007</b> , 26, 3771-3783	3.8	18
71	2, 2-Dimethylpropylidene Tungsten(VI) Complexes and Precursors for their Syntheses. <i>Inorganic Syntheses</i> , <b>2007</b> , 44-51		18
70	High oxidation-state compounds containing hydrazine and hydrazido ligands bound to a W(N-2,6-C <sub>6</sub> H <sub>3</sub> -iso-Pr <sub>2</sub> )[2,6-NC <sub>5</sub> H <sub>3</sub> (CH <sub>2</sub> NTosyl)2] core. <i>Inorganic Chemistry</i> , <b>1991</b> , 30, 4105-4106	5.1	18
69	Synthesis of A-B Copolymers from Two Enantiomerically Pure -2,3-Disubstituted-5,6-Norbornenes. <i>ACS Central Science</i> , <b>2016</b> , 2, 631-636	16.8	18
68	Synthesis of cis,syndiotactic-A-alt-B Copolymers from Enantiomerically Pure Endo-2-Substituted-5,6-Norbornenes. <i>Journal of the American Chemical Society</i> , <b>2017</b> , 139, 5043-5046	16.4	17
67	Molybdenum Imido Alkylidene Complexes Containing Biphen Ligands that Have Silyl Groups Attached through the 6 and 6-Methyl Group Carbon Atoms. <i>Organometallics</i> , <b>2001</b> , 20, 4705-4712	3.8	17
66	Alkylidyne Complexes of Molybdenum and Tungsten That Contain the [(3,4,5-C <sub>6</sub> H <sub>2</sub> F <sub>3</sub> NCH <sub>2</sub> CH <sub>2</sub> ) <sub>2</sub> NMe] <sub>2</sub> - Ligand. <i>Organometallics</i> , <b>2001</b> , 20, 2127-2129	3.8	17
65	Synthesis and reactivity of molybdenum imido alkylidene bis-pyrazolide complexes. <i>Dalton Transactions</i> , <b>2010</b> , 39, 8547-51	4.3	16
64	Thick Optical-Quality Films of Substituted Polyacetylenes with Large, Ultrafast Third-Order Nonlinearities and Application to Image Correlation. <i>Advanced Materials</i> , <b>2008</b> , 20, 3199-3203	24	16
63	Initiators of the Type Mo(NAr)(CHR)(OR) <sub>2</sub> for the Controlled Polymerization of Diethyldipropargylmalonate. <i>Organometallics</i> , <b>2006</b> , 25, 2364-2373	3.8	16
62	Potential Group IV olefin polymerization catalysts that contain a diamido ligand substituted with hexaisopropylterphenyl groups. <i>Polyhedron</i> , <b>2006</b> , 25, 469-476	2.7	16
61	Synthesis of 2,6-Hexa-tert-butylterphenyl Derivatives, 2,6-(2,4,6-t-BuCH)CH <sub>X</sub> , where X = I, Li, OH, SH, N, or NH. <i>Organic Letters</i> , <b>2017</b> , 19, 2607-2609	6.2	15
60	Syntheses of Molybdenum Adamantylimido and -Butylimido Alkylidene Chloride Complexes Using HCl and Diphenylmethylphosphine. <i>Organometallics</i> , <b>2017</b> , 36, 4208-4214	3.8	15
59	A DFT study of the role of water in the rhodium-catalyzed hydrogenation of acetone. <i>Chemical Communications</i> , <b>2016</b> , 52, 13881-13884	5.8	15

58	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> , <b>2009</b> , 131, 13441-52	16.4	15
57	Synthesis, Characterization, and Polymerization Behavior of Zirconium and Hafnium Complexes that Contain Asymmetric Diamido-N-Donor Ligands. <i>Organometallics</i> , <b>2004</b> , 23, 4362-4372	3.8	15
56	Calix[6]azacryptand Ligand with a Sterically Protected Tren-Based Coordination Site for Metal Ions. <i>Organic Letters</i> , <b>2016</b> , 18, 1570-3	6.2	14
55	Metathesis by Molybdenum and Tungsten Catalysts. <i>Chimia</i> , <b>2015</b> , 69, 388-92	1.3	14
54	New Enantiomerically Pure Alkylimido Mo-Based Complexes. Synthesis, Characterization, and Activity as Chiral Olefin Metathesis Catalysts. <i>Organometallics</i> , <b>2007</b> , 26, 831-837	3.8	14
53	Formation of a tetrahedral WC <sub>3</sub> framework from a cyclic WC <sub>3</sub> (tungstenacyclobutadiene) system via attack on tungsten by nitrogen-donor ligands: X-ray study of W[C <sub>3</sub> Me <sub>2</sub> (But)][Me <sub>2</sub> N(CH <sub>2</sub> ) <sub>2</sub> NMe <sub>2</sub> ]Cl <sub>3</sub> . <i>Journal of the Chemical Society Chemical Communications</i> , <b>1991</b> , 105	14	
52	Synthesis of Tungsten Imido Alkylidene Complexes that Contain an Electron-Withdrawing Imido Ligand. <i>Organometallics</i> , <b>2014</b> , 33, 5342-5348	3.8	13
51	Alkylation of dinitrogen in [(HIPTNCH(2)CH(2))(3)N]Mo complexes (HIPT = 3,5-(2,4,6-i-Pr(3)C(6)H(2))(2)C(6)H(3)). <i>Journal of the American Chemical Society</i> , <b>2009</b> , 131, 12829-37	16.4	13
50	Alkin-Komplexe von Wolfram(IV). <i>Angewandte Chemie</i> , <b>2006</b> , 95, 1012-1013	3.6	13
49	Molybdenum and Tungsten Complexes That Contain the Diamidoamine Ligands [(C <sub>6</sub> F <sub>5</sub> NCH <sub>2</sub> CH <sub>2</sub> ) <sub>2</sub> NMe] <sub>2</sub> -], [(3,4,5-C <sub>6</sub> H <sub>2</sub> F <sub>3</sub> NCH <sub>2</sub> CH <sub>2</sub> ) <sub>2</sub> NMe] <sub>2</sub> -], and [(3-CF <sub>3</sub> C <sub>6</sub> H <sub>4</sub> NCH <sub>2</sub> CH <sub>2</sub> ) <sub>2</sub> NMe] <sub>2</sub> -]. <i>Organometallics</i> , <b>2004</b> , 23, 665-678	3.8	13
48	Molybdenum and Tungsten Alkylidene Complexes That Contain a 2-Pyridyl-Substituted Phenoxide Ligand. <i>Organometallics</i> , <b>2016</b> , 35, 3587-3593	3.8	13
47	Silica-Supported Molybdenum Oxo Alkylenes: Bridging the Gap between Internal and Terminal Olefin Metathesis. <i>Angewandte Chemie - International Edition</i> , <b>2019</b> , 58, 11816-11819	16.4	12
46	Molybdenum Monoaryloxide Pyrrolide Alkylidene Complexes That Contain Mono-ortho-substituted Phenyl Imido Ligands. <i>Organometallics</i> , <b>2012</b> , 31, 2388-2394	3.8	12
45	Syntheses of Variations of Stereogenic-at-Metal Imido Alkylidene Complexes of Molybdenum. <i>Organometallics</i> , <b>2012</b> , 31, 6336-6343	3.8	12
44	Catalytic Z-Selective Cross-Metathesis with Secondary Silyl- and Benzyl-Protected Allylic Ethers: Mechanistic Aspects and Applications to Natural Product Synthesis. <i>Angewandte Chemie</i> , <b>2013</b> , 125, 8553-8558	3.6	12
43	Synthesis of tantalum and niobium complexes that contain the diamidoamine ligand, [(3,4,5-F <sub>3</sub> C <sub>6</sub> H <sub>2</sub> NCH <sub>2</sub> CH <sub>2</sub> ) <sub>2</sub> NMe] <sub>2</sub> ] and the triamidoamine ligand, [(3,5-Cl <sub>2</sub> C <sub>6</sub> H <sub>3</sub> NCH <sub>2</sub> CH <sub>2</sub> ) <sub>3</sub> N] <sub>3</sub> ]. <i>Inorganica Chimica Acta</i> , <b>2006</b> , 359, 4730-4740	2.7	12
42	Conversion of rhenium alkylidyne complexes that contain unsupported metal-metal double bonds into relatives that contain alkylidyne ligands. <i>Journal of Organometallic Chemistry</i> , <b>1996</b> , 520, 69-78	2.3	12
41	The Discovery and Development of High Oxidation State Alkylidene Complexes for Alkyne Metathesis	173-189	12

40	Alkylidene Complexes of the Earlier Transition Metals <b>1986</b> , 221-283	12
39	EPR/ENDOR and Theoretical Study of the Jahn-Teller-Active [HIPTNN]MoL Complexes (L = N, NH). <i>Inorganic Chemistry</i> , <b>2017</b> , 56, 6906-6919	5.1 11
38	H-Hydrogen migration reactions in tungsten(VI) cyclopentadienyl alkylidyne complexes. <i>Journal of Organometallic Chemistry</i> , <b>1998</b> , 569, 125-137	2.3 11
37	Catalyst-Controlled Stereoselective Olefin Metathesis as a Principal Strategy in Multistep Synthesis Design: A Concise Route to (+)-Neopeltolide. <i>Angewandte Chemie</i> , <b>2015</b> , 127, 217-222	3.6 10
36	Syntheses of Phosphine-Free Molybdenum Oxo Alkylidene Complexes through Addition of Water to Alkylidyne Complexes. <i>Organometallics</i> , <b>2020</b> , 39, 2486-2492	3.8 9
35	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> , <b>2008</b> , 27, 6202-6214	3.8 9
34	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> , <b>2007</b> , 349, 25-25	5.6 9
33	Synthesis of Linear (Z)-Unsaturated Esters by Catalytic Cross-Metathesis. The Influence of Acetonitrile. <i>Angewandte Chemie</i> , <b>2016</b> , 128, 13404-13408	3.6 8
32	Oxidative reactions of the Mo(IV) dialkyl complex [{(3-CF <sub>3</sub> C <sub>6</sub> H <sub>4</sub> NCH <sub>2</sub> CH <sub>2</sub> ) <sub>2</sub> NMe}Mo(CH <sub>2</sub> SiMe <sub>3</sub> ) <sub>2Chemistry - an Asian Journal, <b>2007</b>, 2, 867-74</sub>	4.5 7
31	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> , <b>2008</b> , 3, 1535-43	4.5 7
30	Cover Picture: Molybdenum and Tungsten Imido Alkylidene Complexes as Efficient Olefin-Metathesis Catalysts (Angew. Chem. Int. Ed. 38/2003). <i>Angewandte Chemie - International Edition</i> , <b>2003</b> , 42, 4555-4555	16.4 7
29	Molybdenum Complexes that Contain a Calix[6]azacryptand Ligand as Catalysts for Reduction of N to Ammonia. <i>Inorganic Chemistry</i> , <b>2018</b> , 57, 15566-15574	5.1 7
28	Synthesis of High-Oxidation-State Mo?CHX Complexes, Where X = Cl, CF, Phosphonium, CN. <i>Organometallics</i> , <b>2018</b> , 37, 1641-1644	3.8 7
27	Traceless Protection for More Broadly Applicable Olefin Metathesis. <i>Angewandte Chemie</i> , <b>2019</b> , 131, 5419-5424	3.6 6
26	Synthesis of Molybdenum Imido 2-Adamantylidene Complexes through H-Hydrogen Abstraction. <i>Organometallics</i> , <b>2020</b> , 39, 2304-2308	3.8 6
25	Multiple Metal-Carbon Bonds in Catalysis. <i>ACS Symposium Series</i> , <b>1983</b> , 369-382	0.4 6
24	Stereochemical Control Yields Mucin Mimetic Polymers. <i>ACS Central Science</i> , <b>2021</b> , 7, 624-630	16.8 6
23	High-Oxidation State Molybdenum and Tungsten Complexes Relevant to Olefin Metathesis <b>2015</b> , 1-32	5

22	Molybdenum Disubstituted Alkylidene Complexes. <i>Organometallics</i> , <b>2020</b> , 39, 658-661	3.8	5
21	Synthesis of Tungsten Oxo Alkylidene Biphenolate Complexes and Ring-Opening Metathesis Polymerization of Norbornenes and Norbornadienes. <i>Organometallics</i> , <b>2019</b> , 38, 3144-3150	3.8	5
20	Catalytic Reduction of Dinitrogen to Ammonia by Molybdenum <b>2010</b> , 25-50		5
19	Ferrocenyl-Functionalised Molybdenum Imido Complexes: An Approach to Redox-Tunable Olefin Polymerisation Catalysts. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , <b>2001</b> , 627, 925-928	1.3	5
18	Oxo 2-Adamantylidene Complexes of Mo(VI) and W(VI). <i>Organometallics</i> , <b>2021</b> , 40, 838-842	3.8	5
17	Synthesis of Molybdenum Perfluorophenylimido 2-Adamantylidene Complexes. <i>Organometallics</i> , <b>2021</b> , 40, 463-466	3.8	5
16	Evaluation of Several Molybdenum and Ruthenium Catalysts for the Metathesis Homocoupling of 3-Methyl-1-Butene. <i>Helvetica Chimica Acta</i> , <b>2017</b> , 100, e1700181	2	4
15	Protonation Studies of Molybdenum(VI) Nitride Complexes That Contain the [2,6-(ArNCH)NCH] Ligand (Ar = 2,6-Diisopropylphenyl). <i>Inorganic Chemistry</i> , <b>2019</b> , 58, 3724-3731	5.1	4
14	Titelbild: Molybdenum- und Wolframimidoalkylidenkomplexe als effiziente Olefinmetathesekatalysatoren (Angew. Chem. 38/2003). <i>Angewandte Chemie</i> , <b>2003</b> , 115, 4703-4703	3.6	4
13	Syntheses of Molybdenum(VI) Imido Alkylidene Complexes That Contain a Bidentate Dithiolate Ligand. <i>Organometallics</i> , <b>2018</b> , 37, 4024-4030	3.8	4
12	Boosting the Metathesis Activity of Molybdenum Oxo Alkylidenes by Tuning the Anionic Ligand π Donation. <i>Inorganic Chemistry</i> , <b>2021</b> , 60, 6875-6880	5.1	3
11	Silica-Supported Molybdenum Oxo Alkylidenes: Bridging the Gap between Internal and Terminal Olefin Metathesis. <i>Angewandte Chemie</i> , <b>2019</b> , 131, 11942-11945	3.6	2
10	Synthesis of Molybdenum(VI) Neopentylidene Neopentylidyne Complexes. <i>Organometallics</i> , <b>2019</b> , 38, 2888-2891	3.8	2
9	<sup>13</sup> C NMR spectra of tactic and atactic hydrogenated ring-opened polymers of enantiomeric and racemic endo,exo-5,6-dimethylnorbornene. <i>Macromolecular Chemistry and Physics</i> , <b>1998</b> , 199, 547-553	2.6	2
8	Syntheses of Molybdenum and Tungsten Imido Alkylidene Complexes that Contain a Bidentate Oxo/Thiolato Ligand. <i>Helvetica Chimica Acta</i> , <b>2020</b> , 103, e2000068	2	2
7	Catalytic Asymmetric Olefin Metathesis <b>2003</b> , 210-229		1
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5	Interconversion of Molybdenum or Tungsten d Styrene Complexes with d 1-Phenethylidene Analogues. <i>Journal of the American Chemical Society</i> , <b>2021</b> , 143, 17209-17218	16.4	1

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| 3 | Living polymerization with well-defined alkylidene catalysts. <i>Macromolecular Symposia</i> , <b>1995</b> , 98, 217-218.8  | 0          |
| 2 | Increasing Olefin Metathesis Activity of Silica-Supported Molybdenum Imido Adamantylidene Complexes through E Ligand EDonation. <i>Helvetica Chimica Acta</i> , e2100151      | 2      0   |
| 1 | Tungsten Benzylidene Complexes. <i>Inorganic Syntheses</i> , <b>2014</b> , 134-138  |            |