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A Series of Well-Defined Metathesis Catalysts
Synthesis of $[\text{RuCl}_2(\eta^5\text{-CHR})(\text{PR}_3)_2]$ and Its Reactions

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| | | |
|------|---|-----|
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| 1284 | Reactivity of $\text{Ru}(\text{H})(\text{H}_2)\text{Cl}(\text{PCy}_3)_2$ with Propargyl and Vinyl Chlorides: New Methodology To Give Metathesis-Active Ruthenium Carbenes. 1997 , 16, 3867-3869 | 152 |
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| 1280 | Influence of Backbone Rigidity on the Thermotropic Behavior of Side-Chain Liquid Crystalline Polymers Synthesized by Ring-Opening Metathesis Polymerization. 1997 , 30, 257-265 | 66 |
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| | | |
|------|--|-----|
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| 1268 | Synthesis of brevetoxin sub-units by sequential ring-closing metathesis and hydroboration. 1997 , 38, 123-126 | 116 |
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| 1265 | Ring-closing olefin metathesis for the synthesis of 1,8-diazabicyclo[4.3.0]non-3-ene-7,9-diones. 1997 , 38, 2065-2066 | 27 |
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| 1262 | Ortho-Condensed oxane/polyoxygenated macrorings by ruthenium-catalyzed ring closing metathesis. 1997 , 38, 8387-8390 | 14 |
| 1261 | An unexpected product arising from metal alkylidene mediated ring-closing diene metathesis. 1997 , 38, 8635-8638 | 64 |
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- 1258 Effiziente Synthese von [2]-Catenanen durch intramolekulare Olefinmetathese. **1997**, 109, 1365-1367 69
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- 1256 Olefinmetathese in komprimiertem Kohlendioxid. **1997**, 109, 2562-2565 32
- 1255 Eine atomökonomische gekreuzte In-En-Metathese. **1997**, 109, 2628-2630 21
- 1254 Chromkomplex-katalysierte [2+1]-Cycloaddition von Diazoalkanen an Enoether – erste direkte spektroskopische Beobachtung eines intermediären Carbenkomplexes. **1997**, 109, 2948-2950 12
- 1253 A New Family of Carbenerhodium(I) Complexes: Ligand Variation as The Key to Success. **1997**, 3, 1375-1384 62
- 1252 Alkene metathesis: new developments in catalyst design and application. **1998**, 168, 1-48 77
- 1251 New Triarylamine-Containing Polymers as Hole Transport Materials in Organic Light-Emitting Diodes: Effect of Polymer Structure and Cross-Linking on Device Characteristics. **1998**, 10, 1668-1676 175
- 1250 Solution-phase combinatorial synthesis: Convergent multiplication of diversity via the olefin metathesis reaction. **1998**, 54, 3955-3970 49
- 1249 Enantioconservative synthesis and ring closing metathesis of disubstituted dialkenic amides. **1998**, 39, 6711-6714 21
- 1248 Synthesis of medium-sized cyclic allylic ethers by ring-closing metathesis and subsequent elaboration to sub-units found in the brevetoxins and ciguatoxins. **1998**, 39, 8321-8324 36
- 1247 Synthesis and Molecular Structure of Six-Coordinate Dichlorodihydridoruthenium(IV) and Five-Coordinate Vinylideneruthenium(II) Complexes. **1998**, 1998, 1827-1834 43
- 1246 From olefin cyclopropanation to olefin metathesis through catalyst engineering: recent applications of olefin metathesis to fine organic synthesis and to polymer chemistry. **1998**, 11, 602-609 34
- 1245 RuCl₃, P(C₆H₁₁)₃, 1-Alkine, Mg, H₂ und H₂O: Komponenten einer effizienten Eintopfsynthese von Ru-Olefinmetathese- Katalysatoren. **1998**, 110, 1165-1167 26
- 1244 Chemie und Biologie der Epothilone. **1998**, 110, 2120-2153 78
- 1243 Eine neue Generation von Rutheniumkatalysatoren für die Olefinmetathese. **1998**, 110, 2631-2633 108
- 1242 Ringschlussmetathese bei der Anellierung von Kohlenhydraten. **1998**, 110, 3486-3488 7
- 1241 Carbinhydridorutheniumkomplexe als Katalysatoren für die selektive, ringöffnende Olefinmetathese von Cyclopenten mit Acrylsäuremethylester. **1998**, 110, 3603-3606 24

- 1240 Recent advances in olefin metathesis and its application in organic synthesis. **1998**, 54, 4413-4450 1893
- 1239 Ruthenium-catalyzed yne-ene cross metathesis immobilization of functionalized alkynes. **1998**, 39, 2295-2298 41
- 1238 Synthesis of macrocyclic lactams and lactones via ring-closing olefin metathesis. **1998**, 39, 4955-4958 52
- 1237 Ring closing metathesis of vinyl glycine derivatives. **1998**, 39, 6175-6178 25
- 1236 The polymerization of dicyclopentadiene: an investigation of mechanism. **1998**, 133, 67-74 60
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- 1233 Ring-Closing Metathesis in Methanol and Water. **1998**, 63, 9904-9909 133
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- 1231 Ruthenium-Catalyzed Reactions for Organic Synthesis. **1998**, 98, 2599-2660 859
- 1230 Free Radical Studies and Solutions to the Synthesis of (+)-Cyclophellitol—**1998**, 63, 7920-7930 28
- 1229 Synthesis of a C(22)–(34) Halichondrin B Precursor via Ring Opening–Double Ring Closing Metathesis. **1998**, 63, 8626-8627 42
- 1228 Olefin Metathesis by Well-Defined Complexes of Molybdenum and Tungsten. **1998**, 1-36 78
- 1227 Synthesis and Reactivity of Neutral and Cationic Ruthenium(II) Tris(pyrazolyl)borate Alkylidenes. **1998**, 17, 5384-5389 117
- 1226 Rapid Entry into Mono-, Bi-, and Tricyclic β -Lactam Arrays via Alkene Metathesis. **1998**, 63, 7893-7907 67
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- 1224 Thermochemical Investigation of Phosphine Ligand Substitution Reactions Involving trans-(PR₃)₂Cl₂RuCH=CHCPh₂ Complexes. **1998**, 17, 5565-5568 33
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| | | |
|------|---|------|
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| 1191 | Synthesis and activity of a new generation of ruthenium-based olefin metathesis catalysts coordinated with 1,3-dimesityl-4,5-dihydroimidazol-2-ylidene ligands. 1999 , 1, 953-6 | 3108 |
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| | | |
|------|--|-----|
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| | | |
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| 1157 | Synthesis of Disilacycloalkenes by Ruthenium Alkylidene Catalyzed Ring-Closing Metathesis (RCM) Reaction of β,β -Bis(allyldimethylsilyl)-Substituted Compounds. 1999 , 72, 821-827 | 14 |
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| | | |
|------|--|-----|
| 1150 | Solid-Phase Synthesis of a Branched Hexasaccharide Related to Lacto-N-Hexaose. 2000 , 2000, 2803-2808 | 28 |
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| 1145 | A sterically demanding nucleophilic carbene: 1,3-bis(2,6-diisopropylphenyl)imidazol-2-ylidene). Thermochemistry and catalytic application in olefin metathesis. 2000 , 606, 49-54 | 280 |
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| 1143 | Synthesis and characterization of block copolymer with pendant carbazole group via living ring-opening metathesis polymerization. 2000 , 41, 2773-2780 | 32 |
| 1142 | Facile Preparation of Divalent Sialoside Derivatives by Olefin Metathesis Reaction. 2000 , 56, 1423-1428 | 17 |
| 1141 | Stereoselective double ring closing metathesis reactions in the synthesis of spirocyclic compounds. 2000 , 41, 2027-2029 | 39 |
| 1140 | Ring closing metathesis reactions of isoquinoline and carboline enamines. 2000 , 41, 3967-3970 | 20 |
| 1139 | Improved yne-ene-cross metathesis utilizing a dihydroimidazole carbene ruthenium complex. 2000 , 41, 5465-5468 | 65 |
| 1138 | Ring-closing olefin metathesis of prearranged C-allyl saccharides for the synthesis of C-butenyl linked homo- and hetero-disaccharides. 2000 , 41, 6593-6597 | 6 |
| 1137 | Bimetallic catalytic cascade ring closing metathesis/intramolecular Heck reactions using a fluororous biphasic solvent system or a polymer-supported palladium catalyst. 2000 , 41, 7255-7258 | 59 |
| 1136 | Regioselective domino metathesis of 7-oxanorbornene derivatives as a new stereoselective entry into 2,6-dioxabicyclo[4.3.0]nonenes. 2000 , 41, 9777-9779 | 52 |
| 1135 | Convenient syntheses of novel ruthenium catalysts bearing N-heterocyclic carbenes. 2000 , 593-594, 489-493 | 50 |
| 1134 | Stereoselective synthesis of 5-monoalkyl and 5,5-dialkylsubstituted noviose derivatives. 2000 , 41, 867-871 | 21 |
| 1133 | ROMP of n-alkyl norbornene dicarboxyimides: from classical to well-defined initiators, an overview. 2000 , 160, 1-11 | 27 |

| | | |
|------|--|------|
| 1132 | Synthesis and characterization of new diblock copolymers of 5-(N-carbazolyl methyl)bicyclo[2.2.1]hept-2-ene and 1,5-cyclooctadiene using ring opening metathesis polymerization (ROMP). 2000 , 160, 35-43 | 10 |
| 1131 | Homogeneous catalyst systems with organosilicon components for olefin metathesis. 2000 , 160, 157-164 | 14 |
| 1130 | Ring-opening metathesis polymerization of 7-methylbicyclo[2.2.1]hepta-2,5-diene initiated by well-defined molybdenum and ruthenium carbene complexes. 2000 , 606, 37-48 | 15 |
| 1129 | A Highly Efficient Synthesis of Civetone. 2000 , 56, 7423-7425 | 25 |
| 1128 | Organo transition metal initiated living polymerizations. 2000 , 25, 573-626 | 112 |
| 1127 | Second Generation Recyclable 'Boomerang' Polymer Supported Catalysts for Olefin Metathesis: Application of Arduengo Carbene Complexes. 2000 , 2000, 1007-1009 | 5 |
| 1126 | Chapter 8 Ring-opening metathesis polymerization of cycloolefins. 2000 , 375-512 | 1 |
| 1125 | Efficient and Recyclable Monomeric and Dendritic Ru-Based Metathesis Catalysts. 2000 , 122, 8168-8179 | 1743 |
| 1124 | A convenient method for removing all highly-colored byproducts generated during olefin metathesis reactions. 2000 , 2, 1259-61 | 136 |
| 1123 | In situ preparation of a highly active N-heterocyclic carbene-coordinated olefin metathesis catalyst. 2000 , 2, 3153-5 | 163 |
| 1122 | Synthesis of eight-membered ring compounds using enyne metathesis. 2000 , 2, 543-5 | 71 |
| 1121 | Synthesis of Norbornenyl Polymers with Bioactive Oligopeptides by Ring-Opening Metathesis Polymerization. 2000 , 33, 6239-6248 | 188 |
| 1120 | Simply assembled and recyclable polymer-supported olefin metathesis catalysts. 2000 , 2, 4075-8 | 80 |
| 1119 | An olefin metathesis route for the preparation of (1→6)-linked C-disaccharide glycals. A convergent and flexible approach to C-saccharide synthesis. 2000 , 65, 6061-8 | 68 |
| 1118 | Simple and Convenient Synthetic Procedure Leading to Ruthenium Olefin Metathesis Catalysts Bearing the N,N-Bis(mesityl)imidazol-2-ylidene (IMes) Ligand. 2000 , 19, 2055-2057 | 74 |
| 1117 | Synthesis of Functionalized Olefins by Cross and Ring-Closing Metatheses. 2000 , 122, 3783-3784 | 539 |
| 1116 | Ruthenium Benzylidene and Vinylidene Complexes in a Sulfur-Rich Coordination Environment. 2000 , 19, 2084-2089 | 42 |
| 1115 | Functionalized Polyethylene via Acyclic Diene Metathesis Polymerization: Effect of Precise Placement of Functional Groups. 2000 , 33, 8963-8970 | 90 |

| | | |
|------|--|----|
| 1114 | Solvent-Free Olefin Metathesis Depolymerization of 1,4-Polybutadiene. 2000 , 33, 1494-1496 | 33 |
| 1113 | Asymmetric allylboration and ring closing alkene metathesis: a novel strategy for the synthesis of glycosphingolipids. 2000 , 65, 6508-14 | 40 |
| 1112 | Enantiodivergent Biosynthesis of the Dimeric Sphingolipid Oceanapiside from the Marine Sponge <i>Oceanapia phillipensis</i> . Determination of Remote Stereochemistry. 2000 , 122, 4011-4019 | 51 |
| 1111 | Selenolatovinylidene Complexes: η^2 -Metal-Mediated Alkynyl Selenoether Rearrangements. 2000 , 19, 371-373 | 35 |
| 1110 | Tandem Homogeneous Metathesis/Heterogeneous Hydrogenation: Preparing Model Ethylene/CO ₂ and Ethylene/CO Copolymers. 2000 , 33, 3196-3201 | 91 |
| 1109 | Stereoselective preparation of enantiomerically pure annulated carbohydrates using ring-closing metathesis. 2000 , 65, 482-93 | 58 |
| 1108 | Detecting the shape change of complex macromolecules during their synthesis with the aid of kinetics. A new lesson from biology. 2000 , 1, 6-16 | 73 |
| 1107 | Catalytic Ring-Closing Metathesis of Doubly Armed, Bridged Bicyclic Sulfones. Evaluation of Chain Length and Possible Intramolecular SO ₂ Group Ligation to the Ruthenium Carbenoid. 2000 , 122, 3391-3398 | 32 |
| 1106 | Formal synthesis of (+/-)-dendrobine: use of the amidofuran cycloaddition/rearrangement sequence. 2000 , 2, 3233-5 | 37 |
| 1105 | Assembly of β -Cylindrocyclophanes A and F via Remarkable Olefin Metathesis Dimerizations. 2000 , 122, 4984-4985 | 82 |
| 1104 | Novel Flexible and Rigid Tetraether Acyclic and Macrocyclic Bisphosphocholines: η^2 -Synthesis and Monolayer Properties. 2000 , 16, 10340-10350 | 45 |
| 1103 | Ligand Effects in Novel Ruthenium-Based ROMP Catalysts Bearing Bidentate Phosphines. 2000 , 19, 4639-4642 | 38 |
| 1102 | Direct Synthesis of Thermally Stable PCP-Type Rhodium Carbenes. 2000 , 19, 2061-2064 | 43 |
| 1101 | Macrocyclic Formation by Ring-Closing Metathesis. Application to the Syntheses of Novel Macrocyclic Taxoids. 2000 , 122, 5343-5353 | 74 |
| 1100 | ROMPGEL scavengers: a high-loading supported anhydride for sequestering amines and hydrazines. 2000 , 2, 2663-6 | 25 |
| 1099 | Transannular macrocyclization via intramolecular B-alkyl Suzuki reaction. 2000 , 2, 2695-8 | 78 |
| 1098 | Discovery of the First Metallaquinone. 2000 , 122, 8797-8798 | 45 |
| 1097 | Total Synthesis of the Novel Immunosuppressant Sanglifehrin A. 2000 , 122, 3830-3838 | 72 |

| | | |
|------|--|------|
| 1096 | Ethylene/Vinyl Acetate Copolymers via Acyclic Diene Metathesis Polymerization. Examining the Effect of Long Precise Ethylene Run Lengths. 2000 , 33, 5411-5417 | 64 |
| 1095 | Half-Sandwich Ruthenium(II) Catalysts for C-C Coupling Reactions between Alkenes and Diazo Compounds. 2000 , 19, 3664-3669 | 61 |
| 1094 | First Synthesis of a Rearranged neo-Clerodane Diterpenoid. Development of Totally Regioselective Trisubstituted Furan Ring Assembly and Medium-Ring Alkylation Tactics for Efficient Access to (+)-Teubrevin G. 2000 , 122, 9324-9325 | 33 |
| 1093 | Propensity of 4-Methoxy-4-vinyl-2-cyclopentenones Housed in Tri- and Tetracyclic Frameworks for Deep-Seated Photochemical Rearrangement. 2000 , 122, 9610-9620 | 21 |
| 1092 | Norbornenyl-Substituted Thiophenes and Terthiophenes: Novel Doubly Polymerizable Monomers. 2000 , 33, 4628-4633 | 21 |
| 1091 | Characteristics of RuCl ₂ (CHPh)(PCy ₃) ₂ as a Catalyst for Ring-Opening Metathesis Polymerization. 2000 , 33, 717-724 | 58 |
| 1090 | Transition-metal systems bearing a nucleophilic carbene ancillary ligand: from thermochemistry to catalysis. 2000 , 46, 181-222 | 219 |
| 1089 | Synthesis of Cross-Linkable Telechelic Poly(butenylene)s Derived from Ring-Opening Metathesis Polymerization. 2000 , 33, 1929-1935 | 60 |
| 1088 | Improvement in olefin metathesis using a new generation of ruthenium catalyst bearing an imidazolylidene ligand: synthesis of heterocycles. 2000 , 2, 1517-9 | 95 |
| 1087 | Tandem Ireland-Claisen rearrangement ring-closing alkene metathesis in the construction of bicyclic beta-lactam carboxylic esters. 2000 , 65, 3716-21 | 54 |
| 1086 | Expanded scope in ethylene-alkyne cross-metathesis: coordinating heteroatom functionality at the propargylic position. 2000 , 2, 2271-4 | 97 |
| 1085 | Stereoselectivity of macrocyclic ring-closing olefin metathesis. 2000 , 2, 2145-7 | 153 |
| 1084 | The development of L ₂ X ₂ Ru=CHR olefin metathesis catalysts: an organometallic success story. 2001 , 34, 18-29 | 3137 |
| 1083 | Dendritic catalysts and dendrimers in catalysis. 2001 , 101, 2991-3024 | 944 |
| 1082 | Ring-Opening Metathesis Polymerization in Emulsion. 2001 , 34, 382-388 | 86 |
| 1081 | Frontal Ring-Opening Metathesis Polymerization of Dicyclopentadiene. 2001 , 34, 6539-6541 | 124 |
| 1080 | An approach to the skeleton of the securine alkaloids. The total synthesis of (+/-)-securinine. 2001 , 3, 703-6 | 65 |
| 1079 | Synthesis of Norbornenyl Telechelic Polyphosphazenes and Ring-Opening Metathesis Polymerization Reactions. 2001 , 34, 2757-2765 | 64 |

| | | |
|------|--|-----|
| 1078 | Novel β -Vinylcarbene Complexes Derived from Ruthenium-Based Olefin Metathesis Catalysts. 2001 , 20, 3845-3847 | 79 |
| 1077 | Synthesis of ABA Triblock Copolymers via Acyclic Diene Metathesis Polymerization and Living Polymerization of β -Amino Acid α -Carboxyanhydrides. 2001 , 34, 4348-4354 | 76 |
| 1076 | New Generation Taxoids and Hybrids of Microtubule-Stabilizing Anticancer Agents. 2001 , 59-80 | 3 |
| 1075 | Metal Complexes of Stable Carbenes**Dedicated to Professor Henri Brunner on the occasion of his 65th birthday.. 2001 , 1-69 | 166 |
| 1074 | Progress toward the total synthesis of ingenol: construction of the complete carbocyclic skeleton. 2001 , 3, 1563-6 | 43 |
| 1073 | Teubrevin G and teubrevin H: the first total syntheses of rearranged neo-clerodanes including solutions to the problems of chirality merger and furan ring assembly. 2001 , 123, 4492-501 | 54 |
| 1072 | Asymmetric total synthesis of halicholactone. 2001 , 66, 81-8 | 78 |
| 1071 | Ruthenium-catalyzed ring-opening and ring-closing enyne metathesis. 2001 , 3, 1161-3 | 66 |
| 1070 | C-glycosides to fused polycyclic ethers. A formal synthesis of (+/-)-hemibrevetoxin B. 2001 , 66, 1380-6 | 95 |
| 1069 | Highly Efficient Acyclic Diene Metathesis Depolymerization Using a Ruthenium Catalyst Containing a N-Heterocyclic Carbene Ligand. 2001 , 34, 7929-7931 | 40 |
| 1068 | Reaction of $\text{Tp}(\text{PPh}_3)\text{Ru}(\eta\text{-O}_2\text{CCHPh}_2)$ with Carbene and Vinylidene Precursors. 2001 , 20, 5455-5463 | 31 |
| 1067 | Reactions of an amphoteric terminal tungsten methylidyne complex. 2001 , 123, 4992-5002 | 89 |
| 1066 | Convergent synthesis of polycyclic ethers via the intramolecular allylation of alpha-acetoxy ethers and subsequent ring-closing metathesis: synthesis of the CDEFG ring system of gambierol. 2001 , 123, 6702-3 | 56 |
| 1065 | Toward Polymeric Anticancer Drug Cocktails from Ring-Opening Metathesis Polymerization. 2001 , 34, 3507-3509 | 55 |
| 1064 | The synthesis of an exhaustively stereodiversified library of cis-1,5 enediols by silyl-tethered ring-closing metathesis. 2001 , 3, 2157-9 | 37 |
| 1063 | On the reversible nature of the olefin cross metathesis reaction. 2001 , 123, 990-1 | 55 |
| 1062 | A ring-closing metathesis strategy to phosphonosugars. 2001 , 3, 3285-8 | 38 |
| 1061 | Exploiting the reversibility of olefin metathesis. Syntheses of macrocyclic trisubstituted alkenes and (R,R)-(-)-pyrenophorin. 2001 , 3, 449-51 | 103 |

| | | |
|------|---|-----|
| 1060 | Synthesis of Cycloliner Phosphazene-Containing Polymers via ADMET Polymerization. 2001 , 34, 5140-5146 | 41 |
| 1059 | Novel reactivity of ruthenium alkylidenes in protic solvents: degenerate alkylidene proton exchange. 2001 , 123, 3187-93 | 38 |
| 1058 | Total synthesis of (-)-cylindrocyclophanes A and F exploiting the reversible nature of the olefin cross metathesis reaction. 2001 , 123, 5925-37 | 122 |
| 1057 | A double ring closing metathesis reaction in the rapid, enantioselective synthesis of NK-1 receptor antagonists. 2001 , 3, 671-4 | 61 |
| 1056 | Formation of Covalently Attached Polymer Overlayers on Si(111) Surfaces Using Ring-Opening Metathesis Polymerization Methods. 2001 , 17, 1321-1323 | 134 |
| 1055 | Dihydrogen Metal Complexes in Catalysis. 2001 , 271-297 | 7 |
| 1054 | Critical Phase Polymerizations. 2001 , | 0 |
| 1053 | Synthesis of C-Butenyl Linked Disaccharides via Olefin Cross-Metathesis. 2001 , 48, 55-58 | 1 |
| 1052 | Synthesis and application of a new polystyrene-supported ruthenium carbene catalyst for alkene metathesis. 2001 , 42, 7103-7105 | 79 |
| 1051 | Highly regioselective synthesis of cyclic enol silyl ethers using ring-closing metathesis. 2001 , 42, 8023-8027 | 51 |
| 1050 | Ruthenium initiated ring opening metathesis polymerisation of amino-acid and -ester functionalised norbornenes and a highly selective chain-end functionalisation reaction using molecular oxygen. 2001 , 42, 6669-6671 | 47 |
| 1049 | Structure property relationships in linear and cross-linked poly(imidonorbornenes) prepared using ring opening metathesis polymerisation (ROMP). 2001 , 42, 9413-9422 | 35 |
| 1048 | Practical stereoselective synthesis of conformationally constrained unnatural proline-based amino acids and peptidomimetics. 2001 , 57, 6463-6473 | 30 |
| 1047 | Enantiopure C β -tetrasubstituted β -amino acids. Chemo-enzymatic synthesis and application to turn-forming peptides. 2001 , 57, 6567-6577 | 25 |
| 1046 | Enantioselective ring-opening of epoxides by HF-reagents. 2001 , 112, 55-61 | 39 |
| 1045 | Two possible reaction pathways for the formation of a ruthenium carbene complex by addition of acetylene to [RuH ₂ Cl ₂ (PH ₃) ₂]: a quantum chemical study. 2001 , 617-618, 225-232 | 12 |
| 1044 | Synthesis, structure, and metathesis activity of ruthenium carbene complexes containing diphosphines. 2001 , 625, 58-66 | 37 |
| 1043 | Regio- and stereoselective ring-opening dimerization/cross-coupling metathesis of 7-oxanorbornene derivatives. 2001 , 627, 105-108 | 9 |

| | | |
|------|--|-----|
| 1042 | Cp*Ru-allylcarbene complexes by nucleophilic attack of cyclic Cp*Ru-dicarbenes. 2001 , 627, 249-254 | 26 |
| 1041 | Molecular modeling of the olefin metathesis by tungsten(0) carbene complexes. 2001 , 630, 157-168 | 27 |
| 1040 | Cross-metathesis reaction. Generation of highly functionalized olefins from unsaturated alcohols. 2001 , 634, 216-221 | 36 |
| 1039 | Ring-closing metathesis versus cross metathesis of resin-bound olefins. 2001 , 42, 1399-1401 | 15 |
| 1038 | Temperature-dependent isomerisation versus net fragmentation of secondary allylic alcohols with Grubbs catalyst. 2001 , 42, 3633-3636 | 61 |
| 1037 | Assembling monocyclic, spirocyclic and fused carbocycles by ring-closing metathesis on an arenechromium template. 2001 , 42, 4373-4376 | 18 |
| 1036 | Metathesis in the presence of a transition metal alkyne complex. 2001 , 42, 5363-5365 | 14 |
| 1035 | A novel synthesis of substituted naphthalenes via Claisen rearrangement and RCM reaction. 2001 , 42, 6155-6157 | 66 |
| 1034 | Metal catalysts for the vinyl polymerization of norbornene. 2001 , 166, 193-209 | 259 |
| 1033 | ROMP and RCM catalysed by (R ₃ P) ₂ Cl ₂ Ru(CHPh) immobilised on a mesoporous support. 2001 , 169, 47-56 | 88 |
| 1032 | Polyesters by lipase-catalyzed polycondensation of unsaturated and epoxidized long-chain α,ω -dicarboxylic acid methyl esters with diols. 2001 , 39, 1601-1609 | 62 |
| 1031 | First ring-opening metathesis polymerization of norbornenes containing cationic iron moieties. 2001 , 39, 2716-2722 | 34 |
| 1030 | Chemistry and chemical biology of taxane anticancer agents. 2001 , 1, 195-211 | 93 |
| 1029 | New, Highly Efficient Catalyst Precursors for Kharasch Additions $[\text{RuCl}(\text{Cp}^*)(\text{PPh}_3)_2]$ and $[\text{RuCl}(\text{Ind})(\text{PPh}_3)_2]$. 2001 , 2001, 2689-2695 | 59 |
| 1028 | Enantioselective Synthesis of Medium-Sized Ring-Bridged Oxabicycles by Ring-Closing Metathesis. 2001 , 2001, 4423-4429 | 19 |
| 1027 | Combination of Electrografting and Ring-Opening Metathesis Polymerization: An Efficient Way to Prepare Polynorbornene Brushes on Conducting Substrates. 2001 , 113, 1308-1311 | 5 |
| 1026 | Immobilization of Olefin Metathesis Catalysts on Monolithic Sol-Gel: Practical, Efficient, and Easily Recyclable Catalysts for Organic and Combinatorial Synthesis. 2001 , 113, 4381-4386 | 31 |
| 1025 | Catalytic asymmetric olefin metathesis. 2001 , 7, 945-50 | 285 |

| | | |
|------|---|-----|
| 1024 | Indenylidene complexes of ruthenium: optimized synthesis, structure elucidation, and performance as catalysts for olefin metathesis--application to the synthesis of the ADE-ring system of nakadomarin A. 2001 , 7, 4811-20 | 232 |
| 1023 | Combination of Electrografting and Ring-Opening Metathesis Polymerization: An Efficient Way to Prepare Polynorbornene Brushes on Conducting Substrates. 2001 , 40, 1268-1271 | 23 |
| 1022 | Immobilization of Olefin Metathesis Catalysts on Monolithic Sol-Gel: Practical, Efficient, and Easily Recyclable Catalysts for Organic and Combinatorial Synthesis. 2001 , 40, 4251-4256 | 123 |
| 1021 | The Vinyl Homopolymerization of Norbornene. 2001 , 22, 479-493 | 185 |
| 1020 | New unsaturated surfactants for the dispersion polymerisation of methyl methacrylate in supercritical carbon dioxide. 2001 , 37, 1347-1351 | 22 |
| 1019 | Photoreactivity of bis(tricyclohexylphosphine)benzylidene ruthenium dichloride (Grubbs's catalyst). 2001 , 325, 179-181 | 16 |
| 1018 | Application of furanyl carbamate cycloadditions toward the synthesis of hexahydroindolinone alkaloids. 2001 , 66, 3119-28 | 54 |
| 1017 | Development of olefin metathesis catalyst precursors bearing nucleophilic carbene ligands. 2001 , 617-618, 17-27 | 93 |
| 1016 | Cross-metathesis reaction. Generation of highly functionalized olefins from unsaturated alcohols. 2001 , 624, 327-332 | 50 |
| 1015 | Ring-Closing Metathesis Strategies to P -heterocycles. 2002 , 177, 1807-1809 | 1 |
| 1014 | Dichloro-bis(tricyclohexylphosphine)methylenruthenium. 2002 , | |
| 1013 | Poly(exo-N-hydroxy-7-oxabicyclo[2.2.1]hept-5-ene-2, 3-dicarboximide). 2002 , | |
| 1012 | Bis(tricyclohexylphosphine)(4-polystyrylmethylidene)ruthenium Dichloride. 2002 , | |
| 1011 | Applications of Olefin Metathesis in the Oleochemistry. 2002 , 377-390 | 1 |
| 1010 | Synthesis of New Macromolecular Architectures Based on Ring Opening Metathesis Polymerisation and Atom Transfer Radical Polymerisation. 2002 , 91-104 | 1 |
| 1009 | A New Synthesis of Substituted 2,5-Dihydrobenzo[b]oxepines. 2002 , 57, 1997 | 28 |
| 1008 | Octasilsesquioxane Chemistry I. Attachment of Four Surface Bridges to Octasilsesquioxane Quasi-cube Framework. 2002 , 49, 943-947 | 2 |
| 1007 | The first successful base-promoted isomerization of propargyl amides to chiral ynamides. Applications in ring-closing metathesis of ene-ynamides and tandem RCM of diene-ynamides. 2002 , 4, 2417-20 | 127 |

| | | |
|------|--|-----|
| 1006 | Synthesis and antituberculosis activity of C-phosphonate analogues of decaprenolphosphoarabinose, a key intermediate in the biosynthesis of mycobacterial arabinogalactan and lipoarabinomannan. 2002 , 67, 8862-70 | 56 |
| 1005 | Synthesis of novel alpha-substituted and alpha,alpha-disubstituted amino acids by rearrangement of ammonium ylides generated from metal carbenoids. 2002 , 4, 765-8 | 41 |
| 1004 | Syntheses of anolignans A and B using ruthenium-catalyzed cross-enyne metathesis. 2002 , 67, 224-6 | 67 |
| 1003 | Synthesis of (-)-pinolidoxin: divergent synthetic strategy exploiting a common silacyclic precursor. 2002 , 4, 3005-7 | 36 |
| 1002 | Convergent synthesis of polycyclic ethers via the intramolecular allylation of alpha-acetoxy ethers and subsequent ring-closing metathesis. 2002 , 124, 3562-6 | 58 |
| 1001 | Olefin cross-metathesis as a tool in natural product degradation. The stereochemistry of (+)-faltarindiol. 2002 , 4, 4667-9 | 68 |
| 1000 | General route from simple methyl, alkyl, and cycloalkyl arenes to polycyclic cyclopentenyl aryl derivatives. The CpFe(+) group as an activator and tag. 2002 , 4, 651-3 | 28 |
| 999 | Formal total synthesis of fostriecin. 2002 , 4, 4615-8 | 50 |
| 998 | Reversible backbone protection enables combinatorial solid-phase ring-closing metathesis reaction (RCM) in peptides. 2002 , 4, 59-62 | 53 |
| 997 | Metathesis of Electron-Rich Olefins: Structure and Reactivity of Electron-Rich Carbene Complexes. 2002 , 21, 2153-2164 | 238 |
| 996 | Soluble polymers as scaffolds for recoverable catalysts and reagents. 2002 , 102, 3325-44 | 496 |
| 995 | Improved One-Pot Synthesis of Second-Generation Ruthenium Olefin Metathesis Catalysts. 2002 , 21, 442-444 | 56 |
| 994 | Total synthesis of (+/-)-mycoepoxydiene, a novel fungal metabolite having an oxygen-bridged cyclooctadiene skeleton. 2002 , 4, 2941-3 | 50 |
| 993 | Enantioselective allyltitanations and metathesis reactions. Application to the synthesis of piperidine alkaloids (+)-sedamine and (-)-prosopphylline. 2002 , 67, 1982-92 | 86 |
| 992 | Selective ring opening cross metathesis of cyclooctadiene and trisubstituted cycloolefins. 2002 , 4, 67-70 | 44 |
| 991 | Conformationally constrained alpha-boc-aminophosphonates via transition metal-catalyzed/curtius rearrangement strategies. 2002 , 67, 8123-9 | 33 |
| 990 | First ring-opening metathesis polymerization in an ionic liquid. Efficient recycling of a catalyst generated from a cationic ruthenium allenylidene complex. 2002 , 26, 1667-1670 | 120 |
| 989 | Preparation and Activity of Recyclable Polymer-Supported Ruthenium Olefin Metathesis Catalysts. 2002 , 21, 671-679 | 77 |

| | | |
|-----|---|------|
| 988 | Dispersion Ring-Opening Metathesis Polymerization of Norbornene Using PEO-Based Stabilizers. 2002 , 35, 9262-9269 | 42 |
| 987 | Ruthenium-catalyzed ROM-RCM of cycloalkene-yne. 2002 , 4, 3855-8 | 42 |
| 986 | Stereodivergent process for the synthesis of the decahydroquinoline type of dendrobatid alkaloids. 2002 , 67, 6078-81 | 18 |
| 985 | Synthesis of (R)- and (S)- muscone. 2002 , 66, 1389-92 | 26 |
| 984 | Synthesis of cyclic dienamide using ruthenium-catalyzed ring-closing metathesis of ene-ynamide. 2002 , 4, 803-5 | 111 |
| 983 | Synthesis of symmetrical trisubstituted olefins by cross metathesis. 2002 , 4, 1939-42 | 168 |
| 982 | Naturstoffe sind biologisch validierte Startpunkte im Strukturraum zur Entwicklung von Substanzbibliotheken: Festphasensynthese von Analoga des Protein-Phosphatase-Inhibitors Dysidiolid. 2002 , 114, 319-323 | 30 |
| 981 | Katalytische Olefinpolymerisation in wässrigen Systemen. 2002 , 114, 564-582 | 25 |
| 980 | Dynamische kovalente Chemie. 2002 , 114, 938-993 | 456 |
| 979 | The Total Synthesis of Coleophomones B and C. 2002 , 114, 3410-3415 | 9 |
| 978 | Aqueous Catalytic Polymerization of Olefins. 2002 , 41, 544-561 | 152 |
| 977 | Dynamic covalent chemistry. 2002 , 41, 898-952 | 1903 |
| 976 | The total synthesis of coleophomones B and C. 2002 , 41, 3276-81 | 48 |
| 975 | Preparation of Trifluorophosphaneruthenium(II) Complexes from β : β -Cyclooctadienediylruthenium(IV) Compounds as Precursors. 2002 , 2002, 1076-1080 | 23 |
| 974 | High Regioselectivity in the Ring-Opening Cross-Metathesis of 1-Arylcyclobutene. 2002 , 2002, 2942-2947 | 12 |
| 973 | Recent advancements in the homoallylamine chemistry. 2002 , 39, 595-614 | 124 |
| 972 | Ring closing metathesis in water with or without surfactants in the presence of $\text{RuCl}_2(\text{PPh}_3)_2(\text{CHPh})$. 2002 , 177, 173-178 | 43 |
| 971 | Preparation of new ruthenium π -allyliden catalysts and their use in polymerisation of cyclic olefins. 2002 , 182-183, 577-583 | 34 |

| | | |
|-----|--|-----|
| 970 | Cross-metathesis of vinyl aromatic heterocycles: comparison of Grubbs catalyst and Schrock catalyst. 2002 , 190, 33-43 | 12 |
| 969 | Ruthenium-based metathesis initiators: Development and use in ring-opening metathesis polymerization. 2002 , 40, 2895-2916 | 126 |
| 968 | Synthesis and biological studies of flexible brevetoxin/ciguatoxin models with marked conformational preference. 2002 , 58, 1921-1942 | 32 |
| 967 | Preparation of cyclic ethers for polyether synthesis by catalytic ring-closing enyne metathesis of alkynyl ethers. 2002 , 58, 1973-1982 | 42 |
| 966 | Ring-opening metathesis-cross-metathesis reactions (ROM-CM) of substituted norbornadienes and norbornenes. 2002 , 58, 9513-9525 | 28 |
| 965 | The Cl ₂ (PCy ₃)(IMes)Ru(=CHPh) catalyst: olefin metathesis versus olefin isomerization. 2002 , 643-644, 247-252 | 107 |
| 964 | A tertiary phosphine that is too bulky: preparation of catalytically less active carbene and vinylidene ruthenium(II) complexes. 2002 , 641, 203-207 | 15 |
| 963 | An Old Hydride in a new synthesis: a convenient approach to Grubbs-type carbene complexes (PPh ₃) ₂ Cl ₂ Ru(=CH)CH=CR ₂ and their hexacoordinate acetonitrile adducts. 2002 , 641, 220-226 | 26 |
| 962 | An improved 1,3-diene synthesis from alkyne and ethylene using cross-enyne metathesis. 2002 , 43, 2235-2238 | 85 |
| 961 | A new access to various functionalised trimethylsilyl substituted carbo- and heterocycles. 2002 , 43, 3513-3516 | 15 |
| 960 | Ring-opening-ring-closing metathesis of bicyclo[2.2.2]octenes: a novel synthesis of decalins and hydrindanes. 2002 , 43, 5357-5359 | 37 |
| 959 | Application of olefin metathesis to the synthesis of ABE ring analogues of methyllycaconitine. 2002 , 43, 6019-6022 | 14 |
| 958 | Construction of carbohydrate-based antitumor vaccines: synthesis of glycosyl amino acids by olefin cross-metathesis. 2002 , 43, 6107-6110 | 35 |
| 957 | A stereoselective route towards highly functionalized 4,6-diaminocyclohexene derivatives. 2002 , 43, 6451-6455 | 9 |
| 956 | Cross-metathesis and ring-closing metathesis of olefinic monosaccharides. 2002 , 43, 7095-7099 | 29 |
| 955 | Combined Claisen rearrangement and ring-closing metathesis as a route to oxepin- and oxocin-annulated coumarins. 2002 , 43, 7781-7783 | 32 |
| 954 | Activity of a new class of ruthenium based ring-closing metathesis and ring-opening metathesis polymerization catalysts coordinated with a 1,3-dimesityl-4,5-dihydroimidazol-2-ylidene and a Schiff base ligand. 2002 , 43, 9101-9104 | 47 |
| 953 | Synthesis of β,δ -disubstituted cycloalkenones through a sequence of olefin metathesis and oxidative rearrangement. 2002 , 43, 9035-9038 | 10 |

- 952 Efficiency of a ruthenium catalyst in metathesis reactions of sulfur-containing compounds. **2002**, 4, 1767-70 86
- 951 The metathesis-facilitated synthesis of terminal ruthenium carbide complexes: a unique carbon atom transfer reaction. **2002**, 124, 1580-1 101
- 950 A general model for selectivity in olefin cross metathesis. **2003**, 125, 11360-70 1263
- 949 Synthesis and activity of ruthenium alkylidene complexes coordinated with phosphine and N-heterocyclic carbene ligands. **2003**, 125, 2546-58 491
- 948 Macrocyclic Complexes of [Ru(N-N)₂]²⁺ Units [N-N = 1,10 Phenanthroline or 4-(p-Anisyl)-1,10-Phenanthroline]: Synthesis and Photochemical Expulsion Studies. **2003**, 2003, 467-474 26
- 947 Sequential Metathesis in Oxa- and Azanorbornene Derivatives. **2003**, 2003, 611-622 76
- 946 Easily Accessible Ring Opening Metathesis and Atom Transfer Radical Polymerization Catalysts based on Arene, Norbornadiene and Cyclooctadiene Ruthenium Complexes Bearing Schiff Base Ligands. **2003**, 345, 393-401 41
- 945 Electrochemically generated tungsten-based active species as catalysts for metathesis-related reactions: 1. Acyclic diene metathesis polymerization of 1,9-decadiene. **2003**, 17, 23-27 11
- 944 Total synthesis of (±)-erythravine based on ring closing dienyne metathesis. **2003**, 44, 8047-8049 37
- 943 Synthesis of unsaturated [1,2]oxazines by using sigmatropic rearrangements and the ring-closing metathesis reaction. **2003**, 44, 8577-8580 22
- 942 A concise stereospecific synthesis of repinotan (BAYB702). **2003**, 44, 8563-8565 23
- 941 Convergent synthesis of the AB ring segment of yessotoxin and adriatoxin. **2003**, 44, 8935-8938 24
- 940 Synthesis of 2'-O,3'-O bicyclic adenosine analogues using ring closing metathesis. **2003**, 44, 9131-9134 20
- 939 Olefin isomerization promoted by olefin metathesis catalysts. **2003**, 345, 190-198 134
- 938 Cyclic oxycarbene and vinylidene complexes of ruthenium with (P?P) and (N?N) type ligands. **2003**, 344, 49-60 31
- 937 Organolithium-induced synthesis of acyclic unsaturated amino alcohols from epoxides of dihydropyrroles and tetrahydropyridines. **2003**, 59, 9729-9742 13
- 936 Enantioselective synthesis of the carbocyclic moiety of (±)-carbovir. **2003**, 44, 4125-4128 18
- 935 A convenient approach to cyclic enol phosphates via ring-closing metathesis. **2003**, 44, 4275-4277 45

| | | |
|-----|--|-----|
| 934 | Convenient synthesis of [3]catenane by olefin metathesis dimerizations. 2003 , 44, 5773-5776 | 54 |
| 933 | Cross-metathesis reaction of vinyl sulfones and sulfoxides. 2003 , 59, 4525-4531 | 54 |
| 932 | Synthesis and structural characterization of trans-tactic siloxylene-vinylene-p-phenylene polymers via ADMET copolymerization and silylative coupling (SC) polycondensation. 2003 , 686, 228-234 | 16 |
| 931 | Molybdenum alkylidene complexes with linked cycloheptatrienylphosphane ligands for potential use in olefin metathesis. 2003 , 684, 322-328 | 9 |
| 930 | A short stereoselective synthesis of (+)- and (–)-2-oxabicyclo[3.3.0]oct-6-en-3-one by intramolecular carbon-hydrogen insertion catalyzed by chiral dirhodium(II) carboxamidates. 2003 , 14, 925-928 | 24 |
| 929 | Ring opening polymerisation of highly concentrated inverse emulsions to obtain microcellular foams. 2003 , 55, 211-217 | 21 |
| 928 | Competing ruthenium catalyzed metathesis condensation and isomerization of allylic olefins. 2003 , 194, 69-78 | 40 |
| 927 | Easily accessible and robust olefin-metathesis catalysts based on ruthenium vinylidene complexes. 2003 , 200, 49-61 | 45 |
| 926 | Synthesis and structural characterization of trans-tactic vinylene-biylene(siloxylene) polymers. 2003 , 16, 818-823 | 6 |
| 925 | Ring-opening metathesis polymerization as a route to controlled copolymers of ethylene and polar monomers: Synthesis of ethylene-vinyl chloride-like copolymers. 2003 , 41, 2107-2116 | 27 |
| 924 | Synthesis of comb graft copolymers Ring-opening metathesis polymerization of norbornyl-polymethacrylate by a supported ruthenium carbene complex generated in situ. 2003 , 14, 226-231 | 9 |
| 923 | Catalytic polymerizations in aqueous medium. 2003 , 28, 619-662 | 80 |
| 922 | A Combined Experimental and Theoretical Study Examining the Binding of N-Heterocyclic Carbenes (NHC) to the Cp*RuCl (Cp* = η -C5Me5) Moiety: Insight into Stereoelectronic Differences between Unsaturated and Saturated NHC Ligands. 2003 , 22, 4322-4326 | 354 |
| 921 | Furanophane transannular Diels-Alder approach to (+)-chatancin: an asymmetric total synthesis of (+)-anhydrochatancin. 2003 , 68, 6847-52 | 36 |
| 920 | Metallacarbenes from diazoalkanes: an experimental and computational study of the reaction mechanism. 2003 , 125, 6532-46 | 102 |
| 919 | Molecular Modeling of Ruthenium Alkylidene Mediated Olefin Metathesis Reactions. DFT Study of Reaction Pathways. 2003 , 22, 93-99 | 96 |
| 918 | DFT Study of the Olefin Metathesis Catalyzed by Ruthenium Complexes. 2003 , 22, 940-947 | 75 |
| 917 | Macrocyclization in the design of Grb2 SH2 domain-binding ligands exhibiting high potency in whole-cell systems. 2003 , 46, 244-54 | 47 |

| | | |
|-----|---|-----|
| 916 | Sanglifehrin-cyclophilin interaction: degradation work, synthetic macrocyclic analogues, X-ray crystal structure, and binding data. 2003 , 125, 3849-59 | 90 |
| 915 | Polymer Coating of Steel by a Combination of Electrografting and Atom-Transfer Radical Polymerization. 2003 , 36, 5926-5933 | 35 |
| 914 | Convenient Route to Fischer-Type Carbene Ruthenium Complexes: Highly Selective Catalysts for Ring Opening/Cross-Metathesis of Norbornene Derivatives. 2003 , 22, 586-593 | 29 |
| 913 | Solid-State Metathesis Polycondensation. 2003 , 36, 539-542 | 14 |
| 912 | Alkylidene and metacyclic complexes of tungsten that contain a chiral biphenoxide ligand. synthesis, asymmetric ring-closing metathesis, and mechanistic investigations. 2003 , 125, 2652-66 | 87 |
| 911 | Reactions of Ruthenium Benzylidene Complexes with Cyclic and Acyclic Imines: Oligomerization of 1-Pyrroline and Metathesis via Tautomerism. 2003 , 22, 2291-2297 | 8 |
| 910 | An efficient method for removal of ruthenium byproducts from olefin metathesis reactions. 2003 , 5, 531-3 | 128 |
| 909 | Dichloro[[2-(1-methylethoxy-O)phenyl]-methylene] tricyclohexylphosphine ruthenium (Hoveyda-Grubbs Catalyst). 2003 , | |
| 908 | Novel alkenylative cyclization using a ruthenium catalyst. 2003 , 125, 5606-7 | 48 |
| 907 | Synthesis of the carbocyclic core of the cornexistins by ring-closing metathesis. 2003 , 5, 89-92 | 50 |
| 906 | An ionic liquid-supported ruthenium carbene complex: a robust and recyclable catalyst for ring-closing olefin metathesis in ionic liquids. 2003 , 125, 9248-9 | 262 |
| 905 | Metal Complexes as Catalysts for Polymerization Reactions. 2003 , 1-74 | 5 |
| 904 | Enantioselective synthesis of cyclic secondary amines through Mo-catalyzed asymmetric ring-closing metathesis (ARCM). 2003 , 5, 4899-902 | 66 |
| 903 | Diastereoselective synthesis of fluorinated, seven-membered beta-amino acid derivatives via ring-closing metathesis. 2003 , 5, 2523-6 | 42 |
| 902 | Total Synthesis of Macrolides. 2003 , 181-284 | 1 |
| 901 | Dichloro(phenylmethylene)bis(tricyclohexyl)ruthenium. 2003 , | |
| 900 | Crosslinking of Cellulose by Olefin Metathesis. 2003 , 22, 47-55 | 18 |
| 899 | Synthesis of SilyleneAlkyleneBilyleneVinylene Polymers via Catalytic Silylative Coupling (SC) Polycondensation. 2003 , 36, 5545-5550 | 20 |

| | | |
|-----|--|----|
| 898 | Synthetic Studies on Biologically Active Alkaloids Starting From Lactam-Type Chiral Building Blocks. 2003 , 419-448 | 7 |
| 897 | Catalytic Asymmetric Olefin Metathesis. 2003 , 210-229 | 1 |
| 896 | Catalytic Asymmetric Olefin Metathesis. 210-229 | 8 |
| 895 | . 2003 , | 3 |
| 894 | A Stable Ruthenium Catalyst for Productive Olefin Metathesis. 2004 , 23, 4824-4827 | 74 |
| 893 | Degradation of the ruthenium-based metathesis catalyst [RuCl ₂ (CHPh)(H ₂ IPr)(PCy ₃)] with primary alcohols. 2004 , 689, 3113-3116 | 56 |
| 892 | Synthesis of polybutadiene-based particles via dispersion ring-opening metathesis polymerization. 2004 , 42, 1154-1163 | 16 |
| 891 | Block copolymer nanoparticles of controlled sizes via ring-opening metathesis polymerization. 2004 , 42, 3352-3359 | 27 |
| 890 | Side-chain functionalized polymers containing bipyridine coordination sites: Polymerization and metal-coordination studies. 2004 , 42, 2973-2984 | 52 |
| 889 | Comparative behavior of polybutadiene and polynorbornene-based latices prepared by dispersion ring-opening metathesis polymerization with a poly(ethylene oxide) macromonomer. 2004 , 42, 2705-2716 | 10 |
| 888 | Total synthesis of (+)-scyphostatin, a potent and specific inhibitor of neutral sphingomyelinase. 2004 , 43, 4207-9 | 50 |
| 887 | Total Synthesis of (+)-Scyphostatin, a Potent and Specific Inhibitor of Neutral Sphingomyelinase. 2004 , 116, 4303-4305 | 18 |
| 886 | An asymmetric synthesis of enantiopure chair and twist trans-cyclooctene isomers. 2004 , 15, 3123-3129 | 24 |
| 885 | Efficient stereodivergent synthesis of 1,4-dideoxy-1,4-iminoheptitols from an (S)-glyceraldimine. 2004 , 45, 719-722 | 24 |
| 884 | Synthesis of (+)-anatoxin-a using enyne metathesis. 2004 , 45, 4397-4399 | 33 |
| 883 | Ketal-tethered ring-closing metathesis. An unconventional approach to constructing spiroketals and total synthesis of an insect pheromone. 2004 , 45, 5505-5510 | 27 |
| 882 | Transition metal catalyzed ring opening reactions of 2-phenyl-3-vinyl substituted 2H-azirines. 2004 , 45, 5991-5993 | 61 |
| 881 | A convenient synthesis of high-loaded palladium(II) ROMP polymers. 2004 , 45, 9021-9024 | 5 |

| | | |
|-----|---|------|
| 880 | Novel macrocyclic templates by ring enlargement of ansa-steroids. 2004 , 45, 9569-9571 | 9 |
| 879 | Synthesis of orthogonally protected 2-deoxystreptamine stereoisomers. 2004 , 60, 2813-2822 | 20 |
| 878 | A novel synthesis of substituted quinolines using ring-closing metathesis (RCM): its application to the synthesis of key intermediates for anti-malarial agents. 2004 , 60, 3017-3035 | 96 |
| 877 | The chemistry and biology of rhizoxins, novel antitumor macrolides from <i>Rhizopus chinensis</i> . 2004 , 60, 5653-5681 | 26 |
| 876 | ROM-RCM of cycloalkene-yne. 2004 , 60, 7375-7389 | 35 |
| 875 | A new approach to the synthesis of cyclic ethers via the intermolecular allylation of β -acetoxy ethers and ring-closing metathesis. 2004 , 60, 7361-7365 | 27 |
| 874 | Olefin metathesis. 2004 , 60, 7117-7140 | 1112 |
| 873 | Concise enantioselective synthesis of (R)-flasubine II. 2004 , 60, 9629-9634 | 48 |
| 872 | The versatility of molecular ruthenium catalyst RuCl(COD)(C5Me5). 2004 , 689, 1382-1392 | 53 |
| 871 | The fragment bis(acetylacetonato)ruthenium: a meeting-point of coordination and organometallic chemistry. 2004 , 689, 4463-4474 | 27 |
| 870 | Ring-closing metathesis in biphasic BMI.PF6 ionic liquid/toluene medium: a powerful recyclable and environmentally friendly process. 2004 , 2282-3 | 73 |
| 869 | Synthesis of Substituted Indenes from Isovanillin via Claisen Rearrangement and Ring-Closing Metathesis. 2004 , 51, 383-391 | 7 |
| 868 | Enyne versus diene RCM in the synthesis of cyclopentene derivatives toward the A ring of FR182877. 2004 , 69, 4555-8 | 30 |
| 867 | 1,4-Polybutadiene-Based Particles Prepared by Aqueous Suspension Ring-Opening Metathesis Polymerization. 2004 , 37, 7619-7627 | 27 |
| 866 | Chemoselective cross metathesis of bishomoallylic alcohols: rapid access to fragment a of the cryptophycins. 2004 , 6, 1883-6 | 42 |
| 865 | New strategy for the construction of a monotetrahydrofuran ring in Annonaceous acetogenin based on a ruthenium ring-closing metathesis: application to the synthesis of Solamin. 2004 , 69, 5770-3 | 31 |
| 864 | Modeling branched polyethylene: copolymers possessing precisely placed ethyl branches. 2004 , 126, 11238-46 | 90 |
| 863 | Acyclic Diene Metathesis (ADMET) Segmented Copolymers. 2004 , 37, 3328-3336 | 9 |

| | | |
|-----|---|-----|
| 862 | Coupling Multiple Benzylic Activation of Simple Arenes by CpFe ⁺ with Multiple Alkene Metathesis Using Grubbs Catalysts: An Efficient Carbon-Carbon Bond Formation Strategy Leading to Polycycles, Cyclophanes, Capsules, and Polymeric Compounds and Their CpFe ⁺ Complexes. 2004 , 23, 861-874 | 34 |
| 861 | Asymmetric total syntheses of (+)-mycoepoxydiene and related natural product (-)-1893A: application of one-pot ring-opening/cross/ring-closing metathesis to construct their 9-oxabicyclo[4.2.1]nona-2,4-diene skeleton. 2004 , 69, 8789-95 | 67 |
| 860 | Synthesis of diverse macrocyclic peptidomimetics utilizing ring-closing metathesis and solid-phase synthesis. 2004 , 69, 1028-37 | 52 |
| 859 | Synthesis of erythromycin derivatives via the olefin cross-metathesis reaction. 2004 , 69, 3907-11 | 16 |
| 858 | Potent inhibitors of the hepatitis C virus NS3 protease: design and synthesis of macrocyclic substrate-based beta-strand mimics. 2004 , 69, 6185-201 | 55 |
| 857 | Indomethacin-Containing Nanoparticles Derived from Amphiphilic Polynorbornene: A Model ROMP-Based Drug Encapsulation System. 2004 , 37, 8364-8372 | 70 |
| 856 | Enyne metathesis (enyne bond reorganization). 2004 , 104, 1317-82 | 813 |
| 855 | Studies toward diazomide A: initial synthetic forays directed toward the originally proposed structure. 2004 , 126, 10162-73 | 87 |
| 854 | Cross-Linkable Carbosilane Polymers with Imbedded Disilacyclobutane Rings Derived by Acyclic Diene Metathesis Polymerization. 2004 , 37, 5257-5264 | 34 |
| 853 | Latent Ruthenium Olefin Metathesis Catalysts That Contain an N-Heterocyclic Carbene Ligand. 2004 , 23, 5399-5401 | 183 |
| 852 | A concise asymmetric route to the bridged bicyclic tropane alkaloid ferruginine using enyne ring-closing metathesis. 2004 , 6, 1469-71 | 74 |
| 851 | Cross-metathesis reactions of vinyl-chlorins and -porphyrins catalyzed by a "second generation" Grubbs' catalyst. 2004 , 852-3 | 20 |
| 850 | An efficient RCM-based synthesis of orthogonally protected meso-DAP and FK565. 2004 , 69, 8946-8 | 23 |
| 849 | Synthesis, Chemistry, DFT Calculations, and ROMP Activity of Monomeric Benzylidene Complexes Containing a Chelating Diphosphine and of Four Generations of Metallodendritic Analogues. Positive and Negative Dendritic Effects and Formation of Dendritic Ruthenium Polynorbornene Stars. 2004 , 23, 1313-1324 | 49 |
| 848 | Regioselective cross-metathesis reaction induced by steric hindrance. 2004 , 6, 3465-7 | 68 |
| 847 | Stereoselective total synthesis of antitumor macrolide (+)-rhizoxin D. 2004 , 6, 1445-8 | 39 |
| 846 | A unified approach to quinolizinium cations and related systems by ring-closing metathesis. 2004 , 6, 4125-7 | 34 |
| 845 | Chapter 3 Breaking the symmetry of silacyclic templates to assemble pinolidoxin and herbarumin I. 2004 , 89-110 | 0 |

| | | |
|-----|--|-----|
| 844 | Chapter 9 First total synthesis of (+)-Amphidinolide T1. 2004 , 255-302 | 3 |
| 843 | Ring Rearrangement Metathesis (RRM) [A New Concept in Piperidine and Pyrrolidine Synthesis. 2004 , 315-346 | 8 |
| 842 | Synthesis of phosphorus and sulfur heterocycles via ring-closing olefin metathesis. 2004 , 104, 2239-58 | 514 |
| 841 | Suspension ring-opening metathesis polymerization: the preparation of norbornene-based resins for application in organic synthesis. 2004 , 69, 3319-29 | 38 |
| 840 | Ring opening metathesis polymerisations of norbornene and norbornadiene derivatives containing oxygen: a study on the regeneration of Grubbs catalyst. 2004 , 60, 7217-7224 | 36 |
| 839 | Syntheses of 4-Alkoxy-3-methoxy-5H-benzocycloheptenes and 2-Alkoxy-3-methoxy-5H-benzocycloheptenes from Isovanillin via Claisen Rearrangement and Ring-closing Metathesis. 2004 , 51, 807-816 | 3 |
| 838 | Activation by allylic alcohols of sulfur-containing dienes to ruthenium-catalysed ring-closing metathesis. 2004 , 2004, 247-251 | 2 |
| 837 | Syntheses of Substituted Naphthalenes and Naphthols. 2004 , 51, 585-605 | 12 |
| 836 | Synthesis of Certain Benzoheterocyclic Compounds from 2-Hydroxyacetophenone via Cyclization and Ring-closing Metathesis. 2005 , 52, 159-167 | 11 |
| 835 | Fluorinated β -Enamino Esters as Versatile Synthetic Intermediates: Synthesis of Fluorinated β -Amino Acids and Uracils. 2005 , 593-610 | 0 |
| 834 | [Development of new synthetic method using organometallic complexes and an application toward natural product synthesis]. 2005 , 125, 51-72 | 3 |
| 833 | Olefin metathesis in room temperature ionic liquids using imidazolium-tagged ruthenium complexes. 2005 , 690, 3585-3599 | 87 |
| 832 | Development of novel reactions using ruthenium carbene catalyst and its application to novel methods for preparing nitrogen-containing heterocycles. 2005 , 690, 5398-5406 | 46 |
| 831 | Methyltrioxorhenium heterogenized on commercially available supporting materials as cyclooctene metathesis catalyst. 2005 , 690, 4712-4718 | 58 |
| 830 | Total synthesis of (+)-(S)-angustureine and the determination of the absolute configuration of the natural product angustureine. 2005 , 16, 827-831 | 57 |
| 829 | A catalytic asymmetric synthesis of 5,5-dimethylproline. 2005 , 16, 2025-2029 | 16 |
| 828 | Hydrosilylation of alkynes catalyzed by ruthenium carbene complexes. 2005 , 46, 105-108 | 90 |
| 827 | A neutral, water-soluble olefin metathesis catalyst based on an N-heterocyclic carbene ligand. 2005 , 46, 2577-2580 | 176 |

| | | |
|-----|--|------|
| 826 | Monolayer protected Au cluster (MPC)-bound Ru-carbene complex: synthesis and its catalytic activity in ring-closing olefin metathesis. 2005 , 46, 4501-4503 | 37 |
| 825 | Synthesis of a novel series of 4,4-disubstituted 2,3,4,7-tetrahydroazepines. 2005 , 46, 4847-4850 | 10 |
| 824 | Highly active phosphine-free carbene ruthenium catalyst for cross-metathesis of acrylonitrile with functionalized olefins. 2005 , 46, 7225-7228 | 28 |
| 823 | Synthesis of cyclic sulfamoyl carbamates and ureas via ring-closing metathesis. 2005 , 61, 6218-6230 | 20 |
| 822 | Synthesis of galactose-linked uridine derivatives with simple linkers as potential galactosyltransferase inhibitors. 2005 , 61, 5837-5842 | 14 |
| 821 | Ruthenium complexes bearing bidentate Schiff base ligands as efficient catalysts for organic and polymer syntheses. 2005 , 249, 3055-3074 | 204 |
| 820 | Carbocycles via enantioselective inter- and intramolecular iridium-catalysed allylic alkylations. 2005 , 2957-9 | 61 |
| 819 | Stabilization of Organometallic Species Achieved by the Use of N-Heterocyclic Carbene (NHC) Ligands. 2005 , 2005, 1815-1828 | 420 |
| 818 | Stereoselective Synthesis of (E)-Hydroxystilbenoids by Ruthenium-Catalyzed Cross-Metathesis. 2005 , 2005, 3319-3325 | 50 |
| 817 | Synthesis of Symmetrical Sulfones from Rongalite: Expansion to Cyclic Sulfones by Ring-Closing Metathesis. 2005 , 2005, 3581-3585 | 26 |
| 816 | Template-assisted cross olefin metathesis. 2005 , 44, 1352-6 | 49 |
| 815 | Relay ring-closing metathesis-a strategy for achieving reactivity and selectivity in metathesis chemistry. 2005 , 44, 1912-5 | 102 |
| 814 | Metathesis reactions in total synthesis. 2005 , 44, 4490-527 | 1048 |
| 813 | Template-Assisted Cross Olefin Metathesis. 2005 , 117, 1376-1380 | 2 |
| 812 | Staffel-Ringschlussmetathese - eine Strategie für reaktivere und selektivere Metathesereaktionen. 2005 , 117, 1946-1949 | 24 |
| 811 | Metathesereaktionen in der Totalsynthese. 2005 , 117, 4564-4601 | 323 |
| 810 | Monolithic Disk-Supported Metathesis Catalysts for Use in Combinatorial Chemistry. 2005 , 347, 484-492 | 99 |
| 809 | General Approach for Template-Directed Synthesis of Macroheterocycles by Ring-Closing Metathesis (RCM). 2005 , 347, 447-462 | 41 |

| | | |
|-----|--|-----|
| 808 | Optimization of Ring-Closing Metathesis: Inert Gas Sparging and Microwave Irradiation. 2005 , 347, 1869-1874 | 43 |
| 807 | Solid-State Olefin Metathesis: ADMET of Rigid-Rod Polymers and Ring-Closing Metathesis. 2005 , 206, 15-24 | 27 |
| 806 | Sequential Electrografting and Ring-Opening Metathesis Polymerization: a Strategy for the Tailoring of Conductive Surfaces. 2005 , 26, 779-783 | 10 |
| 805 | Preparation of a Polyethylene Latex by Catalytic Hydrogenation of a Polybuta-1,4-diene-Based Dispersion. 2005 , 26, 1711-1715 | 15 |
| 804 | Stereoselective allyl amine synthesis through enantioselective addition of diethylzinc and [1,3]-chirality transfer: synthesis of lentiginosine and polyoxamic acid derivative. 2005 , 11, 1949-57 | 32 |
| 803 | From solution-phase to solid-phase enyne metathesis: crossover in the relative performance of two commonly used ruthenium pre-catalysts. 2005 , 11, 5086-93 | 14 |
| 802 | Synthesis, characterization, and catalytic activity of a ruthenium carbene complex coordinated with bidentate 2-pyridine-carboxylato ligands. 2005 , 690, 5816-5821 | 26 |
| 801 | Preparation of Novel Materials for Catalysts Utilizing Metal-Containing Silsesquioxanes. 2005 , 9, 229-241 | 29 |
| 800 | Novel active ester-bridged copolynorbornene materials containing terminal functional hydroxyl, amino, methacryloyl, or ammonium groups via ring-opening metathesis polymerization. 2005 , 43, 4233-4247 | 15 |
| 799 | One or More CC Bond(s) Formed by Condensation: Condensation of Nonheteroatom-linked Functions, Halides, Chalcogen, or Nitrogen Functions. 2005 , 669-722 | 4 |
| 798 | Application of olefin cross-metathesis to the synthesis of biologically active natural products. 2005 , 5, 1559-77 | 35 |
| 797 | Dichloro[[2-(1-methylethoxy-O)-5-(methylpolyethyleneglycolylhemisuccinoyl)phenyl[methylene]tricyclohexylphosphine]ruthenium. 2005 , | |
| 796 | Selecting topology and connectivity through metal-directed macrocyclization reactions: a square planar palladium [2]catenate and two noninterlocked isomers. 2005 , 127, 12612-9 | 113 |
| 795 | The total synthesis of coleophomones B, C, and D. 2005 , 127, 8872-88 | 96 |
| 794 | Nature of the Propagating Species in Ring-Opening Metathesis Polymerizations of Oxygen-Containing Monomers Using Well-Defined Ruthenium Initiators. 2005 , 38, 7571-7579 | 45 |
| 793 | Total synthesis of viridiofungin A. 2005 , 2265-7 | 24 |
| 792 | Robust gels created using a self-assembly and covalent capture strategy. 2005 , 5647-9 | 23 |
| 791 | Lewis-acid assisted cross metathesis of acrylonitrile with functionalized olefins catalyzed by phosphine-free ruthenium carbene complex. 2005 , 3, 4139-42 | 31 |

| | | |
|-----|---|-----|
| 790 | Regarding the mechanism of olefin metathesis with sol-gel-supported Ru-based complexes bearing a bidentate carbene ligand. Spectroscopic evidence for return of the propagating Ru carbene. 2005 , 127, 4510-7 | 96 |
| 789 | Synthetic strategies of marine polycyclic ethers via intramolecular allylations: linear and convergent approaches. 2005 , 38, 423-32 | 68 |
| 788 | Chemoselective construction of substituted conjugated dienes using an olefin cross-metathesis protocol. 2005 , 7, 187-90 | 109 |
| 787 | Preparation of N-Sulfonyl-2-quinolinone Using Ring-closing Metathesis (RCM). 2005 , 66, 683 | 11 |
| 786 | Synthesis of oxytocin analogues with replacement of sulfur by carbon gives potent antagonists with increased stability. 2005 , 70, 7799-809 | 88 |
| 785 | C-Metalated Diazoalkane Complexes of Platinum Based on PCP- and PCN-Type Ligands. 2005 , 24, 5937-5944 | 48 |
| 784 | Multivalent activation in temporary phosphate tethers: a new tether for small molecule synthesis. 2005 , 7, 3375-8 | 53 |
| 783 | Infrared-Emitting Poly(norbornene)s and Poly(cyclooctene)s. 2005 , 38, 8671-8678 | 54 |
| 782 | A Convenient System for Improving the Efficiency of First-Generation Ruthenium Olefin Metathesis Catalysts. 2005 , 24, 4528-4542 | 87 |
| 781 | Synthesis of cis-fused carbo-bicycles by domino enyne cross-metathesis/intramolecular Diels-Alder Reaction. 2005 , 7, 2015-8 | 33 |
| 780 | Total synthesis of brevetoxin B. 2005 , 127, 9246-50 | 61 |
| 779 | A rapid synthesis of hexofuranose-like iminosugars using ring-closing metathesis. 2005 , 7, 3521-3 | 42 |
| 778 | Diastereoselective ring-closing metathesis: synthesis of P-stereogenic phosphinates from prochiral phosphinic acid derivatives. 2005 , 70, 10803-9 | 29 |
| 777 | Synthesis of 1,10-dimethylbicyclo[8.8.8]hexacosane and 1,10-dihydroxybicyclo[8.8.8]hexacosane. 2005 , 7, 2841-3 | 7 |
| 776 | Reactions of 16-Electron Iridium(III) Dithiolene Complexes with Diazoalkanes: Formation and Properties of Novel Mononuclear and Binuclear Alkylidene Adducts of Iridium Dithiolene Complexes. 2005 , 24, 2811-2818 | 13 |
| 775 | Total synthesis of marine polycyclic ethers. 2005 , 105, 4314-47 | 293 |
| 774 | Coordination assembled rings of ferrocene-bridged trisporphyrin with flexible hinge-like motion: selective dimer ring formation, its transformation to larger rings, and vice versa. 2005 , 127, 2201-10 | 121 |
| 773 | A new synthetic approach to phenol derivatives: use of ring-closing olefin metathesis. 2005 , 127, 10470-1 | 62 |

| | | |
|-----|---|-----|
| 772 | Synthesis of a simplified analogue of eleutherobin via a Claisen rearrangement and ring closing metathesis strategy. 2005 , 1860-2 | 19 |
| 771 | Polycyclic aromatic hydrocarbons by ring-closing metathesis. 2005 , 70, 8522-6 | 103 |
| 770 | Synthesis, reaction, and recycle of light fluoros Grubbs-Hoveyda catalysts for alkene metathesis. 2005 , 70, 1636-42 | 137 |
| 769 | Substituent effects and the mechanism of alkene metathesis catalyzed by ruthenium dichloride catalysts. 2005 , 2849-58 | 96 |
| 768 | High-density doxorubicin-conjugated polymeric nanoparticles via ring-opening metathesis polymerization. 2005 , 3793-5 | 65 |
| 767 | Linkers for Solid-Phase Organic Synthesis (SPOS) and Combinatorial Approaches on Solid Supports. 2006 , 33-110 | 2 |
| 766 | Enyne ring-closing metathesis on heteroaromatic cations. 2006 , 2690-2 | 28 |
| 765 | Asymmetric synthesis of fluorinated cyclic beta-amino acid derivatives through cross metathesis. 2006 , 8, 4633-6 | 36 |
| 764 | Development of isomerization and cycloisomerization with use of a ruthenium hydride with N-heterocyclic carbene and its application to the synthesis of heterocycles. 2006 , 71, 4255-61 | 170 |
| 763 | Answer to Katz's criticisms on the history of metathesis. 2006 , 30, 1848-1852 | 10 |
| 762 | P-Heterocyclic carbenes as potential ligands in the design of new metathesis catalysts. A computational study. 2006 , 2214-24 | 14 |
| 761 | Construction of fused polycyclic ethers by strategies involving ring-closing metathesis. 2006 , 3571-81 | 71 |
| 760 | Synthesis of spiro-pyridopyridine analogues by Grubbs' catalyst mediated alkene and enyne metathesis reaction. 2006 , 4, 2393-8 | 11 |
| 759 | CpRuCl(PPh ₃) ₂ -catalyzed cyclopropanation of bicyclic alkenes with tertiary propargylic acetates. 2006 , 71, 3569-75 | 43 |
| 758 | Convergent synthesis of pyragonicin. 2006 , 71, 6305-8 | 19 |
| 757 | Allenylidene-to-indenylidene rearrangement in arene-ruthenium complexes: a key step to highly active catalysts for olefin metathesis reactions. 2006 , 128, 4079-89 | 99 |
| 756 | Controlled synthesis of (S,S)-2,7-diaminosuberic acid: a method for regioselective construction of dicarba analogues of multicystine-containing peptides. 2006 , 71, 7538-45 | 45 |
| 755 | Improved synthesis of the A-G ring segment of brevetoxin B. 2006 , 71, 4183-7 | 11 |

- 754 Rotational Isomerism of a Phoban-Derived First-Generation Grubbs Catalyst. **2006**, 25, 3806-3812 18
- 753 Synthesis of Cyclolinear Poly(carbosilane)-g-poly(methyl methacrylate or styrene) Random Copolymers. **2006**, 39, 8684-8691 13
- 752 Application of RCM reaction in the construction of ABC ring of micrandilactone A. **2006**, 8, 107-10 53
- 751 Anionic Ligand Exchange in Hoveyda-Grubbs Ruthenium(II) Benzylidenes. **2006**, 25, 5696-5698 48
- 750 Preparation of aliphatic ketones through a ruthenium-catalyzed tandem cross-metathesis/allylic alcohol isomerization. **2006**, 8, 2603-6 48
- 749 Temporary phosphate tethers: a metathesis strategy to differentiated polyol subunits. **2006**, 8, 1673-6 20
- 748 Synthetic Studies toward Clavilactone A: A Concise Access to β -Substituted β -Butenolides by Metathesis. **2006**, 70, 135 17
- 747 Synthesis of Dibenzo-fused 10-Membered Cyclic Ethers from Isovanillin via Ring-closing Metathesis. **2006**, 68, 125 5
- 746 Biofunctionalized block copolymer nanoparticles based on ring-opening metathesis polymerization. **2006**, 44, 928-939 42
- 745 Synthesis and evaluation of novel 8,5-fused bicyclic peptidomimetic compounds as interleukin-1 β converting enzyme (ICE) inhibitors. **2006**, 14, 7880-92 10
- 744 Tin and iron halogenides as additives in ruthenium-catalyzed olefin metathesis. **2006**, 359, 2910-2917 24
- 743 An efficient construction of bicyclic systems containing a seven-membered ring by tandem ring-closing metathesis reactions of dienynes. **2006**, 691, 5181-5188 11
- 742 Activated pyridinium-tagged ruthenium complexes as efficient catalysts for ring-closing metathesis. **2006**, 691, 5397-5405 69
- 741 A pyridine-containing ruthenium η -indenylidene complex: Synthesis and activity in ring-closing metathesis. **2006**, 691, 5444-5447 43
- 740 Preparation of nitrogen-containing heterocycles using ring-closing metathesis (RCM) and its application to natural product synthesis. **2006**, 691, 5109-5121 59
- 739 Total synthesis of (β)-erythrocarine using dienyne metathesis. **2006**, 691, 5466-5475 24
- 738 Mechanistic comparison of ruthenium olefin metathesis catalysts: DFT insight into relative reactivity and decomposition behavior. **2006**, 691, 5312-5325 45
- 737 Synthesis of model BC bicycles of taxol using C10 \rightarrow 11 ring-closing metathesis strategy. **2006**, 691, 5438-5443 17

- 736 Homometathesis and cross-metathesis coupling of phosphine-borane templates with electron-rich and electron-poor olefins. **2006**, 691, 5246-5259 23
- 735 Olefin metathesis for metal incorporation: Preparation of conjugated ruthenium-containing complexes and polymers. **2006**, 691, 5298-5306 10
- 734 In situ generation of highly active olefin metathesis initiators. **2006**, 691, 5482-5486 33
- 733 Chemoselective cross-metathesis reaction between electron-deficient 1,3-dienes and olefins. **2006**, 691, 5456-5465 43
- 732 Synthesis and activity for ROMP of bidentate Schiff base substituted second generation Grubbs catalysts. **2006**, 260, 221-226 58
- 731 Synthesis of cyclic dienamide using ruthenium-catalyzed ring-closing metathesis of ene γ namide. **2006**, 62, 3872-3881 47
- 730 A tandem enyne/ring closing metathesis approach to the synthesis of novel angularly fused dioxo-triquinanes. **2006**, 62, 5064-5073 18
- 729 Further studies on enantioselective synthesis of (+)-anatoxin-a using enyne metathesis: unexpected inversion of chirality via a skeletal rearrangement of 9-azabicyclo[4.2.1]nonene derivative. **2006**, 62, 10518-10527¹⁹
- 728 A ketal-tethered RCM strategy toward the synthesis of spiroketal related natural products. **2006**, 62, 10485-10496 36
- 727 Reactivity of unsaturated sultones synthesized from unsaturated alcohols by ring-closing metathesis. Application to the racemic synthesis of the originally proposed structure of mycothiazole. **2006**, 62, 9017-9037 39
- 726 Olefin self-cross-metathesis catalyzed by the second-generation Grubbs carbene complex in room temperature ionic liquids. **2006**, 47, 2921-2924 27
- 725 Formal synthesis of fostriecin by a carbohydrate-based approach. **2006**, 47, 3773-3776 37
- 724 An olefin cross metathesis approach to C-disaccharide analogs of the β -d-arabinofuranosyl-(1 \rightarrow 5)- β -d-arabinofuranoside motif found in the mycobacterial cell wall. **2006**, 47, 4561-4564 18
- 723 Synthesis of covalently bonded nanostructure from two porphyrin molecular wires leading to a molecular tube. **2006**, 47, 5265-5268 27
- 722 Synthesis of novel dinucleosides via tandem cross-metathesis and ring-closing metathesis. **2006**, 47, 6221-6224 13
- 721 Catalytic enantioselective total synthesis of (+)-dumetorine by ring-rearrangement metathesis. **2006**, 47, 7977-7981 20
- 720 A computational study of Grubbs-type catalysts: Structure and application in the degenerate metathesis of ethylene. **2006**, 763, 37-42 12
- 719 Ring-closing olefin metathesis for the synthesis of benzene derivatives. **2006**, 1, 611-3 25

| | | |
|-----|--|-----|
| 718 | Creation of quaternary stereocentres: synthesis of new polyhydroxylated indolizidines. 2006 , 17, 53-60 | 20 |
| 717 | Supporting ruthenium initiator on PolyHIPE. 2006 , 254, 138-144 | 32 |
| 716 | Olefin Cross-Metathesis with Monosubstituted Olefins. 2006 , 3, 441-444 | 72 |
| 715 | Oligoethylene chains terminated by ferrocenyl end groups: synthesis, structural properties, and two-dimensional self-assembly on surfaces. 2006 , 12, 1618-28 | 34 |
| 714 | Design and synthesis of novel propellanes by using claisen rearrangement and ring-closing metathesis as the key steps. 2006 , 12, 4446-50 | 51 |
| 713 | N,N'-dialkyl- and N-alkyl-N-mesityl-substituted N-heterocyclic carbenes as ligands in Grubbs catalysts. 2006 , 12, 4654-61 | 73 |
| 712 | Catalytic P-H activation by Ti and Zr catalysts. 2006 , 12, 8696-707 | 92 |
| 711 | Fatty esters of cellulose from olive pomace and barley bran: Improved mechanical properties by metathesis crosslinking. 2006 , 101, 751-755 | 17 |
| 710 | Ring-closing metathesis as a basis for the construction of aromatic compounds. 2006 , 45, 2664-70 | 167 |
| 709 | Olefin-metathesis catalysts for the preparation of molecules and materials (Nobel Lecture). 2006 , 45, 3760-5 | 910 |
| 708 | Substituent Effects in Tandem Ring-Closing Metathesis Reactions of Dienynes. 2006 , 2006, 471-482 | 26 |
| 707 | SuzukiMiyaura Cross-Coupling and Ring-Closing Metathesis: A Strategic Combination for the Synthesis of Cyclophane Derivatives. 2006 , 2006, 5387-5393 | 24 |
| 706 | Reactivity of 1-Phenoxy-2,7-octadiene under Metathesis Conditions. 2006 , 2006, 4565-4567 | 7 |
| 705 | Design and Synthesis of Potential Macrocyclic Zinc Metalloprotease Inhibitors. 2006 , 24, 1080-1085 | |
| 704 | Ringschlussmetathese: ein Schlüssel zur Arensynthese. 2006 , 118, 2730-2736 | 35 |
| 703 | Olefinmetathesekatalysatoren zur Synthese von Molekülen und Materialien (Nobel-Vortrag). 2006 , 118, 3845-3850 | 213 |
| 702 | Metathesis of 1-Octene in Ionic Liquids and Other Solvents: Effects of Substrate Solubility, Solvent Polarity and Impurities. 2006 , 348, 1934-1941 | 70 |
| 701 | Fabrication of patterned organic thin film by low-energy electron beam lithography and surface-initiated ring-opening metathesis polymerization. 2006 , 84, 1254-1258 | 1 |

| | | |
|-----|--|-----|
| 700 | The Role of NHC Ligands in Oxidation Catalysis. 2006 , 125-148 | 39 |
| 699 | Development of environmentally benign organometallic catalysis for drug discovery and its application. 2007 , 55, 1099-118 | 12 |
| 698 | Immobilized triazine-type dehydrocondensing reagents for carboxamide formation: ROMP-Trz-Cl and ROMP(OH)-Trz-Cl. 2007 , 55, 825-8 | 11 |
| 697 | [Development of environmentally friendly organometallic catalysis for drug discovery and its application to heterocyclic chemistry]. 2007 , 127, 1383-98 | 2 |
| 696 | Mononuclear Ru/Os Compounds with Hydrocarbon Ligands: Compounds with η^6 -Ligands. 2007 , 385-440 | 0 |
| 695 | Ring-opening Metathesis Polymerization (ROMP). 2007 , 623-652 | 16 |
| 694 | Enyne and Alkyne Metathesis. 2007 , 271-310 | 3 |
| 693 | Reversible inhibition/activation of olefin metathesis: a kinetic investigation of ROMP and RCM reactions with Grubbs' catalyst. 2007 , 129, 14200-12 | 109 |
| 692 | Step-wise and pre-organization induced synthesis of a crossed alkene-bridged nisin Z DE-ring mimic by ring-closing metathesis. 2007 , 5, 924-34 | 30 |
| 691 | Alkene metathesis: the search for better catalysts. 2007 , 2479-91 | 171 |
| 690 | Hexafunctionalized borromeates using olefin cross metathesis. 2007 , 9, 2433-6 | 21 |
| 689 | Self-healing: A new paradigm in materials design. 2007 , 221, 479-495 | 122 |
| 688 | Bidentate N,O-prolinate ruthenium benzylidene catalyst highly active in RCM of disubstituted dienes. 2007 , 2826-8 | 21 |
| 687 | Feasibility of associative mechanism in enyne metathesis catalyzed by grubbs complexes. 2007 , 2925-34 | 13 |
| 686 | Cross-metathesis between alpha-methylene-gamma-butyrolactone and olefins: a dramatic additive effect. 2007 , 9, 1695-8 | 73 |
| 685 | Rapid synthesis of the A-E fragment of ciguatoxin CTX3C. 2007 , 9, 2091-4 | 38 |
| 684 | Carborane as a tunable tag for Ru catalysts: generating an anion-appended recyclable and robust catalyst suitable for the noncovalent binding concept. 2007 , 9, 4263-6 | 37 |
| 683 | Application of ring-closing metathesis for the synthesis of macrocyclic peptidomimetics as inhibitors of HCV NS3 protease. 2007 , 9, 3061-4 | 32 |

| | | |
|-----|---|-----|
| 682 | Mechanistic studies on 14-electron ruthenacyclobutanes: degenerate exchange with free ethylene. 2007 , 129, 1698-704 | 130 |
| 681 | Ruthenium-catalyzed cross-metathesis between diallylsilanes and electron-deficient olefins. 2007 , 9, 3765-8 | 14 |
| 680 | Ruthenium Olefin Metathesis Catalysts Bearing an N-Fluorophenyl-N-Mesityl-Substituted Unsymmetrical N-Heterocyclic Carbene. 2007 , 26, 2469-2472 | 76 |
| 679 | Benzylidene-Functionalized Ruthenium-Based Olefin Metathesis Catalysts for Ring-Opening Metathesis Polymerization in Organic and Aqueous Media. 2007 , 26, 6515-6518 | 35 |
| 678 | Synthesis of (-)-agelastatin A by [3.3] sigmatropic rearrangement of allyl cyanate. 2007 , 9, 2989-92 | 74 |
| 677 | Recent progress and applications for metallodendrimers. 2007 , 31, 1192 | 190 |
| 676 | A Salt Metathesis Route To Ruthenium Carbene Complex Isomers With Pyridine Dicarboxamide-Derived Chelate Pincer Ligands. 2007 , 62, 783-790 | 3 |
| 675 | Metathesis Reactions. 2007 , 167-195 | 1 |
| 674 | Synthesis of the JK Ring Fragments of Yessotoxin and 42,43,44,45,46,47,55-Heptanor-41-oxoyessotoxin. 2007 , 72, 207 | 13 |
| 673 | Olefin Cross-Metathesis. 2007 , 179-205 | 12 |
| 672 | Enyne metathesis-oxidation sequence for the synthesis of 2-phosphono pyrroles: proof of the "yne-then-ene" pathway. 2007 , 13, 203-14 | 54 |
| 671 | Highly chemo- and stereoselective intermolecular coupling of diazoacetates to give cis-olefins by using Grubbs second-generation catalyst. 2007 , 13, 3470-9 | 65 |
| 670 | Template synthesis of a huge macrocycle by olefin metathesis using easily accessible [Pt(PEt(3))(2)] templates. 2007 , 13, 5129-34 | 23 |
| 669 | N-heterocyclic carbene and phosphine ruthenium indenylidene precatalysts: a comparative study in olefin metathesis. 2007 , 13, 8029-36 | 135 |
| 668 | Sustainable concepts in olefin metathesis. 2007 , 46, 6786-801 | 305 |
| 667 | Nachhaltige Konzepte in der Olefinmetathese. 2007 , 119, 6906-6922 | 76 |
| 666 | Metal-Complex-Catalyzed Reactions. 2007 , 351-387 | 0 |
| 665 | Ring-Closing Metathesis in the Synthesis of Biologically Active Peptidomimetics of Apicidin A. 2007 , 349, 175-183 | 21 |

| | | |
|-----|--|-----|
| 664 | Mesocellular Foam-Supported Catalysts: Enhanced Activity and Recyclability for Ring-Closing Metathesis. 2007 , 349, 1066-1076 | 28 |
| 663 | Synthesis of Natural Products and Related Compounds using Enyne Metathesis. 2007 , 349, 121-135 | 135 |
| 662 | Synthesis of Vinyl-Functionalized Thiazoles by Cross-Metathesis and Tandem Stille Coupling/Cross-Metathesis. 2007 , 349, 152-156 | 27 |
| 661 | Olefin-Metathesis Catalysts for the Preparation of Molecules and Materials (Nobel Lecture 2005). 2007 , 349, 34-40 | 68 |
| 660 | Synthesis of Pyrrolizidine, Indolizidine, and Quinolizidine Derivatives Using Ruthenium-Catalyzed Ring-Opening Metathesis and Ring-Closing Metathesis of Cycloalkene-ynes. 2007 , 349, 1231-1246 | 13 |
| 659 | Synthetic Strategies for Converting Carbohydrates into Carbocycles by the Use of Olefin Metathesis. 2007 , 2007, 399-415 | 52 |
| 658 | Regio- and Stereoselective Synthesis of Tri- and Tetrasubstituted Alkenes by Introduction of CO ₂ and Alkylzinc Reagents into Alkynes. 2007 , 2007, 4981-4993 | 114 |
| 657 | Effect of the Halide Counterion in the ROMP of exo-Benzyl-[2-(3,5-dioxo-10-oxa-4-aza-tricyclo[5.2.1.0 _{2,6}]dec-8-en-4-yl)ethyl]dimethyl ammonium Bromide/Chloride. 2007 , 208, 2389-2395 | 13 |
| 656 | The N-vinyl group as a protection group of the preparation of 3(5)-substituted pyrazoles via bromine–thium exchange. 2007 , 63, 56-61 | 22 |
| 655 | An efficient synthesis of fused tricycles with a benzene core via intramolecular double ring-closing enyne metathesis. 2007 , 63, 977-985 | 10 |
| 654 | Stereoselective synthesis of tarchonanthuslactone via the Prins cyclisation. 2007 , 63, 2689-2694 | 33 |
| 653 | Convergent total synthesis of squamostolide. 2007 , 63, 4881-4886 | 21 |
| 652 | Enantioselective ring expansion of prolinol derivatives. Two formal syntheses of (–)-swainsonine. 2007 , 63, 9082-9091 | 45 |
| 651 | Synthesis of poison-frog alkaloids 233A, 235U, and 251AA and their inhibitory effects on neuronal nicotinic acetylcholine receptors. 2007 , 17, 5872-5 | 25 |
| 650 | Preparation of NHC–ruthenium complexes and their catalytic activity in metathesis reaction. 2007 , 251, 726-764 | 183 |
| 649 | NHC–Ru complexes–friendly catalytic tools for manifold chemical transformations. 2007 , 251, 765-794 | 247 |
| 648 | Ruthenium Vinyl Carbene Intermediates in Enyne Metathesis. 2007 , 251, 671-701 | 86 |
| 647 | Stereoelectronic parameters associated with N-heterocyclic carbene (NHC) ligands: A quest for understanding. 2007 , 251, 874-883 | 735 |

| | | |
|-----|---|------|
| 646 | Living ring-opening metathesis polymerization. 2007 , 32, 1-29 | 1116 |
| 645 | Polymers containing bis(indolyl)maleimides and aminophenylsuccinimides as electroluminescent materials: Solvatochromic properties and the effect of blending toward white light emission. 2007 , 67, 986-998 | 7 |
| 644 | A Stable η -Bonded Diazoalkane Complex. 2007 , 633, 2168-2172 | 30 |
| 643 | Living Ring-Opening Metathesis Polymerization of Exo-Norbornenes Bearing Both Cyano and Ester Functionalities by a Well-Defined Ruthenium Catalyst. 2007 , 39, 318-329 | 15 |
| 642 | Mechanistic Aspects of Olefin-polymerization Catalysis. 2007 , 141-165 | 2 |
| 641 | Synthesis and conformational and biological aspects of carbasugars. 2007 , 107, 1919-2036 | 291 |
| 640 | Cyclo-depolymerization of olefin-containing polymers to give macrocyclic oligomers by metathesis and the entropically-driven ROMP of the olefin-containing macrocyclic esters. 2007 , 48, 6808-6822 | 39 |
| 639 | Ionic imidazolium containing ruthenium complexes and olefin metathesis in ionic liquids. 2007 , 268, 127-133 | 37 |
| 638 | Ring-closing olefin metathesis in the aqueous phase of amphiphilic conetworks consisting of fluorophilic and hydrophilic compartments. 2008 , 129, 968-973 | 35 |
| 637 | Synthesis of 2,6-dioxabicyclo[3.3.0]octenes by tandem ring-rearrangement/cross metathesis. 2008 , 49, 5238-5240 | 11 |
| 636 | Synthesis, characterization, and thermal properties of ring-opening metathesis polynorbornenes and their hydrogenated derivatives bearing various ester and cyano groups. 2008 , 46, 3314-3325 | 28 |
| 635 | Controlled living ring-opening metathesis polymerization with a ruthenium indenylidene initiator. 2008 , 46, 4630-4635 | 66 |
| 634 | Copolymerization of amino acid and amino ester functionalized norbornenes via living ring-opening metathesis polymerization. 2008 , 46, 7985-7995 | 9 |
| 633 | Ring-closing metathesis: novel routes to aromatic heterocycles. 2008 , 14, 5716-26 | 93 |
| 632 | Ruthenium-based olefin metathesis catalysts coordinated with unsymmetrical N-heterocyclic carbene ligands: synthesis, structure, and catalytic activity. 2008 , 14, 7545-56 | 95 |
| 631 | Synthesis of substituted benzenes and phenols by ring-closing olefin metathesis. 2008 , 14, 8246-61 | 33 |
| 630 | Ring-closing metathesis in the synthesis of BC ring-systems of taxol. 2008 , 14, 7314-23 | 17 |
| 629 | Thermal decomposition modes for four-coordinate ruthenium phosphonium alkylidene olefin metathesis catalysts. 2008 , 14, 11565-72 | 69 |

| | | |
|-----|---|-----|
| 628 | Ethenolysis of methyl oleate in room-temperature ionic liquids. 2008 , 1, 118-22 | 83 |
| 627 | Acyclic diene metathesis with a monomer from renewable resources: control of molecular weight and one-step preparation of block copolymers. 2008 , 1, 542-7 | 104 |
| 626 | Dimethyl carbonate: an eco-friendly solvent in ruthenium-catalyzed olefin metathesis transformations. 2008 , 1, 813-6 | 85 |
| 625 | Indenylidene-Ruthenium Complexes Bearing Saturated N-Heterocyclic Carbenes: Synthesis and Catalytic Investigation in Olefin Metathesis Reactions. 2008 , 2008, 432-440 | 83 |
| 624 | Metathesis as a versatile tool in oleochemistry. 2008 , 110, 797-804 | 146 |
| 623 | Microwave-Assisted Olefin Metathesis. 2008 , 2008, 1125-1132 | 97 |
| 622 | The Formation of trans-Fused Macrocycles from N ₃ ,N ₃ '-Polymethylenebis(hydantoins) by Ring-Closing Metathesis. 2008 , 2008, 171-179 | 10 |
| 621 | Metathesis in Peptides and Peptidomimetics. 2008 , 350, 1661-1675 | 74 |
| 620 | Ruthenium-Indenylidene Complexes: Scope in Cross-Metathesis Transformations. 2008 , 350, 2959-2966 | 44 |
| 619 | An efficient route to dimeric porphyrinRGD peptide conjugates via olefin metathesis. 2008 , 64, 364-371 | 29 |
| 618 | Ring-closing metathesis and ring-closing metathesis isomerisation approach to 1-phosphonylated 2-benzazocines. 2008 , 64, 4295-4303 | 18 |
| 617 | Synthesis and structure of novel cyclonucleoside analogues of uridine. 2008 , 64, 7828-7836 | 11 |
| 616 | Recent Advances in the Applications of Electrochemically Generated Molybdenum and Tungsten-Based Catalysts for the Olefins Metathesis. 2008 , 38, 734-741 | 2 |
| 615 | Cross-metathesis of the vinyl group on tetrapyrrolic macrocycles: reactivity, selectivity, and mechanism. 2008 , 73, 6542-50 | 16 |
| 614 | High-load, oligomeric dichlorotriazine: a versatile ROMP-derived reagent and scavenger. 2008 , 73, 8785-90 | 31 |
| 613 | Solid Phase Chemistry. 2008 , 47-208 | 0 |
| 612 | Silica-supported catalysts for ring-closing metathesis: effects of linker group and microenvironment on recyclability. 2008 , 4312-4 | 28 |
| 611 | Ruthenium-indenylidene complexes: powerful tools for metathesis transformations. 2008 , 2726-40 | 144 |

| | | |
|-----|---|-----|
| 610 | Olefin cross-metathesis reactions at room temperature using the nonionic amphiphile "PTS": just add water. 2008 , 10, 1325-8 | 145 |
| 609 | Secondary metathesis with Grubbs catalysts in the 1,4-polybutadiene system. 2008 , 9, 1054-1059 | 14 |
| 608 | Ru-catalyzed metathesis of octadienylether xyloside. 2008 , 9, 1414-1417 | 4 |
| 607 | Aminocarbonyl group containing Hoveyda-Grubbs-type complexes: synthesis and activity in olefin metathesis transformations. 2008 , 73, 4225-8 | 86 |
| 606 | New Well-Defined Polymeric Betaines: First Report Detailing the Synthesis and ROMP of Salt-Responsive Sulfopropylbetaine- and Carboxyethylbetaine-exo-7-oxanorbornene Monomers. 2008 , 41, 614-622 | 40 |
| 605 | Total synthesis of (-)-dactyloide and formal synthesis of (-)-zampanolide via target oriented beta-C-glycoside formation. 2008 , 73, 5965-76 | 52 |
| 604 | Carbasugars: Synthesis and Functions. 2008 , 1913-1997 | 5 |
| 603 | C-Glycosyl Analogs of Oligosaccharides. 2008 , 2021-2077 | 2 |
| 602 | The carbohydrate-sesquiterpene interface. directed synthetic routes to both (+)- and (-)-fomannosin from D-glucose. 2008 , 73, 4548-58 | 12 |
| 601 | Synthesis of vinyl-functionalized oxazoles by olefin cross-metathesis. 2008 , 73, 2400-3 | 39 |
| 600 | Phosphabicyclononane-containing ru complexes: efficient pre-catalysts for olefin metathesis reactions. 2008 , 73, 259-63 | 44 |
| 599 | Olefin metathesis catalyst: stabilization effect of backbone substitutions of N-heterocyclic carbene. 2008 , 10, 2693-6 | 110 |
| 598 | Inside the black box [Perspectives on transformations in catalysis. 2008 , 86, 931-941 | 17 |
| 597 | A new type of self-supported, polymeric Ru-carbene complex for homogeneous catalysis and heterogeneous recovery: synthesis and catalytic activities for ring-closing metathesis. 2008 , 6, 2676-8 | 20 |
| 596 | Olefin metathesis catalysts bearing a pH-responsive NHC ligand: a feasible approach to catalyst separation from RCM products. 2008 , 5791-9 | 76 |
| 595 | Ruthenium-Catalyzed Alkenylative Cyclization via Insertion of Alkene into Ruthenacyclopentene. 2008 , 27, 6313-6320 | 21 |
| 594 | Homologous Poly(isobutylene)s: Poly(isobutylene)/High-Density Poly(ethylene) Hybrid Polymers. 2008 , 41, 8405-8412 | 39 |
| 593 | One-pot tandem decarboxylative allylation-Heck cyclization of allyl diphenylglycinate imines: rapid access to polyfunctionalized 1-aminoindanes. 2008 , 10, 5131-4 | 55 |

- 592 End capping ring-opening olefin metathesis polymerization polymers with vinyl lactones. **2008**, 130, 11040-8 78
- 591 Assignment of absolute configuration to SCH 351448 via total synthesis. **2008**, 10, 3101-4 39
- 590 Synthesis and activity of ruthenium olefin metathesis catalysts coordinated with thiazol-2-ylidene ligands. **2008**, 130, 2234-45 114
- 589 Synthesis of 3-Aryl-2,5-Dihydro-1-Benzoxepines from Phenol via Ring-Closing Metathesis. **2008**, 55, 1317-1321 5
- 588 Glycan Synthesis: Key Strategies. **2008**, 1
- 587 Synthetic studies of natural 10-membered lactones, mueggelone, microcarpalide, and sch 642305, which have interesting bioactivities. **2009**, 73, 971-9 19
- 586 Total synthesis of brevenal. **2009**, 11, 2531-4 60
- 585 Synthesis, Determination of the Absolute Stereochemistry, and Evaluations at the Nicotinic Acetylcholine Receptors of a Hydroxyindolizidine Alkaloid from the Ant *Myrmecaria melanogaster*. **2009**, 79, 565 5
- 584 Homobimetallic Ruthenium Vinylidene, Allenylidene, and Indenylidene Complexes: Synthesis, Characterization, and Catalytic Studies. **2009**, 351, 441-455 33
- 583 Ferrocene Redox Controlled Reversible Immobilization of Ruthenium Carbene in Ionic Liquid: A Versatile Catalyst for Ring-Closing Metathesis. **2009**, 351, 1610-1620 48
- 582 Imidazol(in)ium-2-carboxylates as N-Heterocyclic Carbene Precursors for the Synthesis of Second Generation Ruthenium Metathesis Catalysts. **2009**, 351, 2031-2038 48
- 581 New Indenylidene-Schiff Base-Ruthenium Complexes for Cross-Metathesis and Ring-Closing Metathesis. **2009**, 351, 2689-2701 36
- 580 Enantioselective total synthesis of brevetoxin A: unified strategy for the B, E, G, and J subunits. **2009**, 15, 9223-34 37
- 579 Chemodivergent metathesis of dienyne catalyzed by ruthenium-indenylidene complexes: an experimental and computational study. **2009**, 15, 10244-54 56
- 578 A direct route to bifunctional aldehyde derivatives via self- and cross-metathesis of unsaturated aldehydes. **2009**, 2, 542-5 63
- 577 Ru-Based Olefin Metathesis Catalysts Bearing pH-Responsive N-Heterocyclic Carbene (NHC) Ligands: Activity Control via Degree of Protonation. **2009**, 2009, 1717-1722 58
- 576 The Versatile Alkylidene Moiety in Ruthenium Olefin Metathesis Catalysts. **2009**, 2009, 4185-4203 81
- 575 Indenylidene Complexes of Ruthenium Bearing NHC Ligands: Structure Elucidation and Performance as Catalysts for Olefin Metathesis. **2009**, 2009, 655-665 35

| | | |
|-----|---|-----|
| 574 | Click Azide-Alkyne Cycloaddition for the Synthesis of D- β -1,4-Disubstituted Triazolo-Carbanucleosides. 2009 , 2009, 1880-1888 | 25 |
| 573 | Towards Long-Living Metathesis Catalysts by Tuning the N-Heterocyclic Carbene (NHC) Ligand on Trifluoroacetamide-Activated Boomerang Ru Complexes. 2009 , 2009, 4254-4265 | 68 |
| 572 | Divalent and Multivalent Activation in Phosphate Triesters: A Versatile Method for the Synthesis of Advanced Polyol Synthons. 2009 , 2009, 5487-5500 | 23 |
| 571 | Metathesis with Oleochemicals: New Approaches for the Utilization of Plant Oils as Renewable Resources in Polymer Science. 2009 , 210, 1073-1079 | 134 |
| 570 | Hydrogen-Bond Control in Axially Chiral Styrenes: Selective Synthesis of Enantiomerically Pure C2-Symmetric Paracyclophanes. 2009 , 121, 5748-5751 | 15 |
| 569 | Hydrogen-bond control in axially chiral styrenes: selective synthesis of enantiomerically pure C2-symmetric paracyclophanes. 2009 , 48, 5638-41 | 49 |
| 568 | DFT investigation of the 1-octene metathesis reaction mechanism with the Phobcat precatalyst. 2009 , 15, 1371-81 | 8 |
| 567 | Metathesis Cascade Strategies (ROM-RCM-CM): A DOS approach to Skeletally Diverse Sultams. 2009 , 65, 4992-5000 | 40 |
| 566 | Synthesis of a new bidentate NHC Ag(I) complex and its unanticipated reaction with the Hoveyda-Grubbs first generation catalyst. 2009 , 65, 7186-7194 | 34 |
| 565 | Charge-transfer piperazine-containing polymeric systems via ring-opening metathesis polymerization. 2009 , 47, 5034-5043 | 2 |
| 564 | Fatty acid derived phosphorus-containing polyesters via acyclic diene metathesis polymerization. 2009 , 47, 5760-5771 | 61 |
| 563 | One pot synthesis of a TpRu carbene: Formation and structural characterization of neutral alkylidene complex [TpRu(CHPh)(PMeiPr ₂)Cl]. 2009 , 362, 3857-3859 | 3 |
| 562 | A 2,4-O-[(Z)-2-butenylene]-bridged glucopyranose: efficient construction of the bicyclic skeleton and its axial-rich twist-boat conformation. 2009 , 65, 2574-2578 | 9 |
| 561 | Large-scale synthesis of SB-462795, a cathepsin K inhibitor: the RCM-based approaches. 2009 , 65, 6291-6303 | 68 |
| 560 | Convergent synthesis of the AB ring segment of ciguatoxin CTX3C. 2009 , 65, 7784-7789 | 18 |
| 559 | Synthesis of simplified analogues of eleutherobin via a Claisen rearrangement/RCM strategy. 2009 , 20, 921-944 | 9 |
| 558 | Design and synthesis of 3',5'-ansa-adenosines as potential Hsp90 inhibitors. 2009 , 50, 5102-5106 | 9 |
| 557 | The bis(trifluoroacetate) analogue of the first-generation Grubbs catalyst: Synthesis, X-ray structure, and metathesis activity of [Ru(CF ₃ CO ₂) ₂ (η -CF ₃ CO ₂)(CHPh)(PCy ₃) ₂]. 2009 , 694, 3179-3183 | 4 |

| | | |
|-----|--|-----|
| 556 | Prolonged stability by cyclization: Macrocyclic phosphino dipeptide isostere inhibitors of beta-secretase (BACE1). 2009 , 19, 4427-31 | 16 |
| 555 | Advances in the Metathesis of Olefins. 2009 , | 1 |
| 554 | Acryloyl chloride: an excellent substrate for cross-metathesis. a one-pot sequence for the synthesis of substituted alpha,beta-unsaturated carbonyl derivatives. 2009 , 11, 5446-8 | 24 |
| 553 | Metal-phosphine bond strengths of the transition metals: a challenge for DFT. 2009 , 113, 11833-44 | 119 |
| 552 | Conformations of N-heterocyclic carbene ligands in ruthenium complexes relevant to olefin metathesis. 2009 , 131, 1931-8 | 100 |
| 551 | Controlled reversible immobilization of Ru carbene on single-walled carbon nanotubes: a new strategy for green catalytic systems based on a solvent effect on pi-pi interaction. 2009 , 48, 2383-90 | 70 |
| 550 | Design, synthesis, and biological evaluation of fluorinated analogues of salicylilalamide. 2009 , 52, 798-806 | 27 |
| 549 | General synthetic route to cell-permeable block copolymers via ROMP. 2009 , 131, 7327-33 | 104 |
| 548 | Metathesis assisted synthesis of cyclic peptides. 2009 , 295-7 | 29 |
| 547 | Indenylidene Ruthenium Complex Bearing a Sterically Demanding NHC Ligand: An Efficient Catalyst for Olefin Metathesis at Room Temperature. 2009 , 28, 2848-2854 | 103 |
| 546 | Rational approach to star-like nanogels with different arm lengths: formation by dynamic covalent exchange and their imaging. 2009 , 689-91 | 37 |
| 545 | Structure and reactivity of alkynyl ruthenium alkylidenes. 2009 , 131, 24-5 | 34 |
| 544 | Magnetic nanoparticle-supported Hoveyda-Grubbs catalysts for ring-closing metathesis reactions. 2009 , 5990-2 | 54 |
| 543 | Landmarks in Organo-Transition Metal Chemistry. 2009 , | 24 |
| 542 | Ring-closing metathesis reactions on azinium salts: straightforward access to quinolizinium cations and their dihydro derivatives. 2009 , 74, 4166-76 | 43 |
| 541 | Design, synthesis, protein-ligand X-ray structure, and biological evaluation of a series of novel macrocyclic human immunodeficiency virus-1 protease inhibitors to combat drug resistance. 2009 , 52, 7689-705 | 37 |
| 540 | Metal Carbenes and Carbynes: The Taming of Non-existing Molecules. 2009 , 1-62 | |
| 539 | Exploiting the cross-metathesis reaction in the synthesis of pseudo-oligosaccharides. 2009 , 7, 2635-44 | 10 |

| | | |
|-----|---|-----|
| 538 | Discovery and structure-activity relationship of P1-P3 ketoamide derived macrocyclic inhibitors of hepatitis C virus NS3 protease. 2009 , 52, 336-46 | 38 |
| 537 | Homobimetallic Ruthenium-Ethylene, Vinylidene, Allenylidene, and Indenylidene Catalysts for Olefin Metathesis. 2010 , 293, 24-27 | 4 |
| 536 | Ring-Opening Metathesis Polymerizations and Acyclic Diene Metathesis Polymerizations with Homogeneous Ruthenium and Molybdenum Catalysts and Initiators. 2010 , 513-536 | 3 |
| 535 | Total synthesis of (-)-callipeltoside A. 2010 , 75, 7052-60 | 52 |
| 534 | Ruthenium-based olefin metathesis catalysts derived from alkynes. 2010 , 110, 4865-909 | 172 |
| 533 | Rapid assembly of resorcylic acid lactone frameworks through sequential palladium-catalyzed coupling reactions. 2010 , 5, 2459-62 | 24 |
| 532 | Mixed N-heterocyclic carbene/phosphite ruthenium complexes: towards a new generation of olefin metathesis catalysts. 2010 , 46, 7115-7 | 77 |
| 531 | Acid-mediated activation of modified ring-closing metathesis catalysts. 2010 , 51, 709-713 | 14 |
| 530 | Ruthenium carbene initiated ring-open metathesis polymerization of endo-bicyclo[3.2.0]hept-6-en-3-yl benzoates with tacticity studies. 2010 , 28, 181-189 | 3 |
| 529 | Castor oil as a renewable resource for the chemical industry. 2010 , 112, 10-30 | 482 |
| 528 | Convergent Total Synthesis of Murisolin. 2010 , 2010, 5943-5945 | 10 |
| 527 | Mixed Isobutylphobane/N-Heterocyclic Carbene Ruthenium- Indenylidene Complexes: Synthesis and Catalytic Evaluation in Olefin Metathesis Reactions. 2010 , 352, 1934-1948 | 32 |
| 526 | Natural Products Containing Medium-Sized Nitrogen Heterocycles Synthesized by Ring-Closing Alkene Metathesis. 2010 , 45-85 | 18 |
| 525 | Synthesis of Natural Products Containing Medium-Size Oxygen Heterocycles by Ring-Closing Alkene Metathesis. 2010 , 87-127 | 10 |
| 524 | Studies on electronic effects in O-, N- and S-chelated ruthenium olefin-metathesis catalysts. 2010 , 16, 8726-37 | 78 |
| 523 | Ruthenium-indenylidene olefin metathesis catalyst with enhanced thermal stability. 2010 , 16, 12255-61 | 35 |
| 522 | Acyclic Triene Metathesis Oligo- and Polymerization of High Oleic Sun Flower Oil. 2010 , 211, 854-862 | 63 |
| 521 | On the ROMP of 2-norbornene with an in situ ruthenium carbene complex: ESI-MS, NMR and DFT analyses. 2010 , 695, 1708-1714 | 5 |

| | | |
|-----|---|-----|
| 520 | Synthetic approaches to bicyclo[5.3.0]decane sesquiterpenes. 2010 , 66, 1131-1175 | 85 |
| 519 | Total synthesis of brevenal. 2010 , 66, 5329-5344 | 19 |
| 518 | Efficient synthesis of 19 β 1 membered macrocyclic tetralactones via ring closing metathesis in ionic liquids. 2010 , 66, 8196-8202 | 6 |
| 517 | Design and synthesis of novel fluoro amino acids: synthons for potent macrocyclic HCV NS3 protease inhibitors. 2010 , 51, 3057-3061 | 6 |
| 516 | Removal of an olefin metathesis catalyst using 4-nitrophenyl acrylate based polymer supports. 2010 , 51, 5827-5829 | 9 |
| 515 | Structure-based design and synthesis of novel P2/P3 modified, non-peptidic beta-secretase (BACE-1) inhibitors. 2010 , 20, 1924-7 | 23 |
| 514 | Recent advances in ring-opening metathesis polymerization, and application to synthesis of functional materials. 2010 , 42, 905-915 | 232 |
| 513 | . 2010 , | 43 |
| 512 | Construction of eight-membered carbocycles with trisubstituted double bonds using the ring closing metathesis reaction. 2010 , 15, 4242-60 | 43 |
| 511 | Precise Control of Ring-Opening Metathesis Polymerization, and Its Application to Synthesis of Functional Materials. 2010 , 46, 260-265 | |
| 510 | Imidazol(in)ium-2-Carboxylates as N-Heterocyclic Carbene Ligand Precursors for Ruthenium Metathesis Initiators. 2010 , 293, 28-32 | 8 |
| 509 | Alkene Metathesis and Renewable Materials: Selective Transformations of Plant Oils. 2010 , 185-206 | 12 |
| 508 | Development of Novel Asymmetric Reactions and Their Application to the Synthesis of Natural Products. 2010 , 81, 1061 | 9 |
| 507 | Tuning the Steric Properties of a Metathesis Catalyst for Copolymerization of Norbornene and Cyclooctene toward Complete Alternation. 2010 , 29, 2735-2751 | 56 |
| 506 | Chapter 7: NHCl Iron, Ruthenium and Osmium Complexes in Catalysis. 2010 , 196-227 | 2 |
| 505 | Ruthenium-catalyzed synthesis of functional conjugated dienes via addition of two carbene units to alkynes. 2010 , 132, 7391-7 | 58 |
| 504 | Ring-closing metathesis of allylsilanes as a flexible strategy toward cyclic terpenes. short syntheses of teucladiol, isoteucladiol, poitediol, and dactylol and an attempted synthesis of caryophyllene. 2010 , 75, 6908-22 | 37 |
| 503 | Recent Progress on Enyne Metathesis: Its Application to Syntheses of Natural Products and Related Compounds. 2010 , 3, 2087-2140 | 67 |

| | | |
|-----|--|------|
| 502 | Synthesis and Structure of Fused N-Heterocyclic Carbenes and Their Rhodium Complexes. 2010 , 29, 3765-3768 | 23 |
| 501 | New library of aminosulfonyl-tagged Hoveyda-Grubbs type complexes: Synthesis, kinetic studies and activity in olefin metathesis transformations. 2010 , 6, 1159-66 | 8 |
| 500 | Recent applications of ring-closing metathesis in the synthesis of lactams and macrolactams. 2010 , 46, 9100-6 | 55 |
| 499 | Development of a general, sequential, ring-closing metathesis/intramolecular cross-coupling reaction for the synthesis of polyunsaturated macrolactones. 2010 , 132, 11768-78 | 49 |
| 498 | Intelligent Build-Up of Complementarily Reactive Diblock Copolymers via Dynamic Covalent Exchange toward Symmetrical and Miktoarm Star-like Nanogels. 2010 , 43, 1785-1791 | 56 |
| 497 | Conformational sampling of macrocyclic alkenes using a Kennard-Stone-based algorithm. 2010 , 114, 6879-87 | 14 |
| 496 | Ruthenium Complexes Bearing Two N-Heterocyclic Carbene Ligands in Low Catalyst Loading Olefin Metathesis Reactions. 2010 , 29, 3007-3011 | 43 |
| 495 | Interconversion of Ruthenium-O(CH ₂ CH ₂ PCy ₂) ₂ Alkylidene and Alkylidyne Hydride Complexes. 2010 , 29, 4369-4374 | 16 |
| 494 | Five-Coordinate HydridoRuthenium(II) Complexes Featuring N-Heterocyclic Silylene and Carbene Ligands. 2010 , 29, 4012-4017 | 27 |
| 493 | An Efficient Scalable Route for the Synthesis of Enantiomerically Pure tert-Butyl-(1R,4S,6R)-4-(hydroxymethyl)-3-azabicyclo[4.1.0]heptane-3-carboxylate. 2010 , 14, 1239-1247 | 5 |
| 492 | Olefin Metathesis Catalysts Containing Acyclic Diaminocarbenes. 2010 , 29, 250-256 | 57 |
| 491 | Kinetic and thermodynamic analysis of processes relevant to initiation of olefin metathesis by ruthenium phosphonium alkylidene catalysts. 2010 , 132, 2784-94 | 50 |
| 490 | Development and characterization of lithium salts doped nanoconductive ROMP polymers. 2010 , 160, 978-983 | 5 |
| 489 | A simple approach to reduce the environmental impact of olefin metathesis reactions: a green and renewable solvent compared to solvent-free reactions. 2010 , 12, 169-173 | 30 |
| 488 | Ruthenium Olefin Metathesis Catalysts Bearing Carbohydrate-Based N-Heterocyclic Carbenes. 2010 , 29, 403-408 | 65 |
| 487 | Chemoselective olefin metathesis transformations mediated by ruthenium complexes. 2010 , 39, 3305-16 | 189 |
| 486 | Ruthenium Olefin Metathesis Catalysts with N-Heterocyclic Carbene Ligands Bearing N-Naphthyl Side Chains. 2010 , 29, 775-788 | 50 |
| 485 | Ruthenium-based heterocyclic carbene-coordinated olefin metathesis catalysts. 2010 , 110, 1746-87 | 1627 |

- 484 Homobimetallic Ruthenium π -Arene Complexes Bearing Vinylidene Ligands: Synthesis, Characterization, and Catalytic Application in Olefin Metathesis. **2010**, 29, 6675-6686 17
- 483 Facile Synthesis of Efficient and Selective Ruthenium Olefin Metathesis Catalysts with Sulfonate and Phosphate Ligands. **2010**, 29, 6045-6050 41
- 482 Synthesis and structure-activity correlation of natural-product inspired cyclodepsipeptides stabilizing F-actin. **2010**, 132, 3063-77 88
- 481 A three-step tandem process for the synthesis of bicyclic gamma-lactams. **2010**, 8, 3418-25 33
- 480 Cyclopropanation of Ru-diimino-pyridine ligand complexes. **2010**, 39, 7211-3 3
- 479 ROMP-derived oligomeric phosphates for application in facile benzylation. **2010**, 12, 2904-7 27
- 478 Substrate-controlled and organocatalytic asymmetric synthesis of carbocyclic amino acid dipeptide mimetics. **2010**, 75, 2861-76 21
- 477 Ruthenium-catalyzed tandem enyne metathesis/hydrovinylation. **2010**, 46, 5692-4 34
- 476 Ruthenium-catalyzed ring-closing metathesis accelerated by long-range steric effect. **2011**, 47, 9699-701 20
- 475 Enantioselective synthesis of pyranonaphthoquinone antibiotics using a CBS reduction/cross-metathesis/oxa-Michael strategy. **2011**, 9, 5423-30 24
- 474 Phosphites as ligands in ruthenium-benzylidene catalysts for olefin metathesis. **2011**, 47, 7060-2 43
- 473 A green route to nitrogen-containing groups: the acrylonitrile cross-metathesis and applications to plant oil derivatives. **2011**, 13, 2258 52
- 472 Stereoselective synthesis of polyhydroxylated aminocyclohexanes. **2011**, 9, 2801-8 20
- 471 "Click"-capture, ring-opening metathesis polymerization (ROMP), release: facile triazolation utilizing ROMP-derived oligomeric phosphates. **2011**, 13, 2038-41 17
- 470 Monomer-on-monomer (MoM) Mitsunobu reaction: facile purification utilizing surface-initiated sequestration. **2011**, 13, 8-10 23
- 469 Development of the carboxamide protecting group, 4-(tert-butyldimethylsiloxy)-2-methoxybenzyl. **2011**, 76, 9278-93 14
- 468 Total synthesis of dolabelide C: a phosphate-mediated approach. **2011**, 76, 4358-70 38
- 467 Nature of the Transition Metal π -Carbene Bond in Grubbs Olefin Metathesis Catalysts. **2011**, 30, 3522-3529 37

- 466 Phosphate tether-mediated approach to the formal total synthesis of (-)-salicylhalamides A and B. **2011**, 76, 3909-16 24
- 465 Thermally Stable, Latent Olefin Metathesis Catalysts. **2011**, 30, 6713-6717 38
- 464 Stabilization of the heavy methylene analogues, GeH₂ and SnH₂, within the coordination sphere of a transition metal. **2011**, 133, 777-9 146
- 463 Ruthenium Olefin Metathesis Catalysts Containing Six-Membered Sulfone and Sulfonamide Chelating Rings. **2011**, 30, 1130-1138 35
- 462 Synthesis of Organometallic Compounds. **2011**, 269-293 3
- 461 Total synthesis of dermostatin A. **2011**, 76, 7641-53 35
- 460 Total synthesis of (-)-histrionicotoxin. **2011**, 13, 4446-9 39
- 459 Synthesis of epoxybenzo[d]isothiazole 1,1-dioxides via a reductive-Heck, metathesis-sequestration protocol. **2011**, 47, 9528-30 6
- 458 A concise approach for the total synthesis of pseudolaric acid A. **2011**, 13, 2630-3 35
- 457 Formation of polycyclic lactones through a ruthenium-catalyzed ring-closing metathesis/hetero-Pauson-Khand reaction sequence. **2011**, 76, 3644-53 31
- 456 Acyclic diene metathesis: a versatile tool for the construction of defined polymer architectures. **2011**, 40, 1404-45 233
- 455 The Discovery of β -Secretase and Development toward a Clinical Inhibitor for AD: An Exciting Academic Collaboration. **2011**, 413-440
- 454 Widening the Latency Gap in Chelated Ruthenium Olefin Metathesis Catalysts. **2011**, 30, 3430-3437 64
- 453 Gram-scale synthesis of the A'B'-subunit of angelmicin B. **2011**, 13, 6436-9 9
- 452 Total synthesis of natural and non-natural (5,6)(12,13)-jatrophane diterpenes and their evaluation as MDR modulators. **2011**, 76, 512-22 42
- 451 Plant Oils as Renewable Feedstock for Polymer Science. **2011**, 9-27 2
- 450 Synthesis of N-heterocyclic carbene ligands and derived ruthenium olefin metathesis catalysts. **2011**, 6, 69-77 134
- 449 Grubbs carbene complex-catalyzed cleavage of allyl vic-diols to aldehydes with a co-oxidant: application to the selective cleavage of huge marine molecules. **2011**, 67, 9622-9626 8

| | | |
|-----|---|------|
| 448 | Epoxidation of surface-bound polynorbornene films on silicon: Preventing degradation via solvent effect. 2011 , 52, 4456-4462 | 8 |
| 447 | Dimerisation of cyclooctene using Grubbs catalysts. 2011 , 408, 54-62 | 10 |
| 446 | Synthesis and biological properties of macrolactam analogs of the natural product macrolide (-)-A26771B. 2011 , 21, 4768-72 | 12 |
| 445 | Intramolecular monomer-on-monomer (MoM) Mitsunobu cyclization for the synthesis of benzofused thiadiazepine-dioxides. 2011 , 47, 12524-6 | 14 |
| 444 | Rational and Efficient Development of a New Class of Highly Active Ring-Opening Metathesis Polymerization Catalysts. 2011 , 165-190 | |
| 443 | Large-scale applications of transition metal-catalyzed couplings for the synthesis of pharmaceuticals. 2011 , 111, 2177-250 | 1241 |
| 442 | Ruthenium-catalyzed cyclizations of enynes via a ruthenacyclopentene intermediate: development of three novel cyclizations controlled by a substituent on alkyne of enyne. 2011 , 11, 186-98 | 29 |
| 441 | One-Pot Ring-Closing Metathesis (RCM)/Oxidation by an Assisted Tandem Ruthenium Catalysis for the Synthesis of 2-Quinolones. 2011 , 353, 2676-2680 | 40 |
| 440 | Ethene-Induced Temporary Inhibition of Grubbs Metathesis Catalysts. 2011 , 353, 2701-2707 | 35 |
| 439 | Studies towards the Synthesis of Pentalenene: Mechanistic Insights into the Isomerization Phenomenon During RCM of Medium-Sized Rings. 2011 , 2011, 1859-1869 | 24 |
| 438 | The Shortest Strategy for Generating Phosphonate Prodrugs by Olefin Cross-Metathesis □ Application to Acyclonucleoside Phosphonates. 2011 , 2011, 7324-7330 | 14 |
| 437 | Fette und Öle als nachwachsende Rohstoffe in der Chemie. 2011 , 123, 3938-3956 | 113 |
| 436 | Strategien und Taktiken für die metallgesteuerte Synthese von Rotaxanen, Knoten, Catenanen und Verschlingungen höherer Ordnung. 2011 , 123, 9428-9499 | 156 |
| 435 | An Expedient Synthesis of a Functionalized Core Structure of Bielschowskysin. 2011 , 123, 5255-5258 | 12 |
| 434 | Oils and fats as renewable raw materials in chemistry. 2011 , 50, 3854-71 | 755 |
| 433 | Strategies and tactics for the metal-directed synthesis of rotaxanes, knots, catenanes, and higher order links. 2011 , 50, 9260-327 | 555 |
| 432 | An expedient synthesis of a functionalized core structure of bielschowskysin. 2011 , 50, 5149-52 | 40 |
| 431 | Substantiating the influence of pore surface functionalities on the stability of Grubbs catalyst in mesoporous SBA-15 silica. 2011 , 17, 4254-65 | 35 |

| | | |
|-----|---|----|
| 430 | d-Xylose and l-Arabinose-based surfactants: Synthesis, reactivity and physico-chemical properties. 2011 , 14, 716-725 | 16 |
| 429 | Cross-metathesis of allyl halides with olefins bearing an β -alkoxy amide group. 2011 , 52, 1928-1930 | 5 |
| 428 | Microwave-promoted tandem reactions for the synthesis of bicyclic lactams. 2011 , 52, 2330-2332 | 12 |
| 427 | Olefin Metathesis as Key Step in the Synthesis of Bioactive Compounds: Challenges in the Total Synthesis of Iriomoteolides. 2012 , 9, 779-790 | 11 |
| 426 | Carbenes in Polymer Synthesis. 2012 , 973-1010 | |
| 425 | Metathesis-Based Synthesis of Complex Bioactives. 2012 , 155-188 | 4 |
| 424 | Olefin Metathesis of Renewable Platform Chemicals. 2012 , 1-44 | 29 |
| 423 | Retracing the evolution of monometallic ruthenium-arene catalysts for C-C bond formation. 2012 , 41, 9257-68 | 47 |
| 422 | On the electronic structure of second generation Hoveyda-Grubbs alkene metathesis precursors. 2012 , 996, 57-67 | 20 |
| 421 | Ruthenium-Benzylidenes and Ruthenium-Indenylidenes as Efficient Catalysts for the Hydrogenation of Aliphatic Nitriles into Primary Amines. 2012 , 4, 1911-1916 | 40 |
| 420 | Comprehensive study on olefin metathesis in PEG as an alternative solvent under microwave irradiation. 2012 , 294, 113-118 | 35 |
| 419 | Differences in the Activation Processes of Phosphine-Containing and Grubbs-Hoveyda-Type Alkene Metathesis Catalysts. 2012 , 31, 4203-4215 | 77 |
| 418 | Ready access to a branched Man5 oligosaccharide based on regioselective glycosylations of a mannose-tetraol with n-pentenyl orthoesters. 2012 , 10, 8361-70 | 15 |
| 417 | Thiol-Michael coupling chemistry: facile access to a library of functional exo-7-oxanorbornenes and their ring-opening metathesis (co)polymerization. 2012 , 3, 1647 | 27 |
| 416 | Stereoselective synthesis of functionalised carbocyclic amides: construction of the syn-(4aS,10bS)-phenanthridone skeleton. 2012 , 10, 3937-45 | 11 |
| 415 | Axially chiral macrocyclic E-alkene bearing bisazole component formed by sequential C-H homocoupling and ring-closing metathesis. 2012 , 14, 2476-9 | 21 |
| 414 | Complicated Electronic Process of C=C Bond Activation of Cyclopropene by Ruthenium and Iridium Complexes: Theoretical Study. 2012 , 31, 8189-8199 | 5 |
| 413 | Synthesis and Reactivity of Ruthenium Phosphite Indenylidene Complexes. 2012 , 31, 7415-7426 | 52 |

| | | |
|-----|--|-----------------|
| 412 | Synthesis of the first poly(diaminosulfide)s and an investigation of their applications as drug delivery vehicles. 2012 , 45, 688-697 | 15 |
| 411 | Stereoselective synthesis of hydroxylated 3-aminoazepanes using a multi-bond forming, three-step tandem process. 2012 , 10, 8251-9 | 18 |
| 410 | Nonmetathetic activity of ruthenium alkylidene complexes: 1,4-hydrovinyllative cyclization of multiynes with ethylene. 2012 , 134, 10783-6 | 23 |
| 409 | Black-Swan-Ereignisse in der organischen Synthese. 2012 , 124, 9066-9080 | 10 |
| 408 | "Black Swan events" in organic synthesis. 2012 , 51, 8936-49 | 29 |
| 407 | Total synthesis of marine eicosanoid (-)-hybridalactone. 2012 , 18, 13531-7 | 15 |
| 406 | Poly(phenylnorbornene) from Ring-Opening Metathesis and Its Hydrogenated Derivatives. 2012 , 213, 2027-2033 | 12 |
| 405 | The accuracy of DFT-optimized geometries of functional transition metal compounds: a validation study of catalysts for olefin metathesis and other reactions in the homogeneous phase. 2012 , 41, 5526-41 | 34 ⁶ |
| 404 | A Unique Ruthenium Carbyne Complex: A Highly Thermo-endurable Catalyst for Olefin Metathesis. 2012 , 354, 2743-2750 | 21 |
| 403 | Thermal Switchability of N-Chelating Hoveyda-type Catalyst Containing a Secondary Amine Ligand. 2012 , 31, 462-469 | 21 |
| 402 | Asymmetric synthesis of a 12-membered macrolactone core and a 6-epi analogue of amphidinolide W from 4-pentenoic acid. 2012 , 23, 1170-1185 | 12 |
| 401 | Neutral and Cationic Tridentate Bis(N-heterocyclic carbene) Ether Ruthenium Alkylidene Complexes in Metathesis. 2012 , 31, 580-587 | 26 |
| 400 | Controlling Product Composition of Metathesized Triolein by Reaction Concentrations. 2012 , 89, 2077-2089 | 14 |
| 399 | An evolutionary algorithm for de novo optimization of functional transition metal compounds. 2012 , 134, 8885-95 | 61 |
| 398 | Condensation Polymers via Metal-Catalyzed Coupling Reactions. 2012 , 175-194 | 1 |
| 397 | Metathesis Reactions. 2012 , 215-255 | 2 |
| 396 | Synthesis and structure-property comparisons of hydrogenated poly(oxanorbornene-imide)s and poly(norbornene-imide)s prepared by ring-opening metathesis polymerization. 2012 , 50, 3914-3921 | 14 |
| 395 | Selective alkene metathesis in the total synthesis of complex natural product. 2012 , 327, 163-96 | 9 |

| | | |
|-----|---|-----|
| 394 | Metathesis Polymerization. 2012 , | 1 |
| 393 | New ruthenium metathesis catalysts with chelating indenylidene ligands: synthesis, characterization and reactivity. 2012 , 41, 3695-700 | 23 |
| 392 | Synthesis, structure and catalytic study of chloro-bridged two-core ruthenium carbene complexes. 2012 , 713, 197-202 | 8 |
| 391 | Synthesis and cell adhesive properties of linear and cyclic RGD functionalized polynorbornene thin films. 2012 , 13, 2546-53 | 52 |
| 390 | Diastereoselective total synthesis of (E)-schindilactone A, Part 1: Construction of the ABC and FGH ring systems and initial attempts to construct the CDEF ring system. 2012 , 7, 2321-33 | 44 |
| 389 | Removing ruthenium residues from olefin metathesis reaction products. 2012 , 18, 8868-80 | 109 |
| 388 | Discovery of a multi-bond forming, four-step tandem process: construction of drug-like polycyclic scaffolds. 2012 , 48, 7994-6 | 19 |
| 387 | Experimental, DFT and kinetic study of 1-octene metathesis with Hoveyda-Grubbs second generation precatalyst. 2012 , 355, 85-95 | 19 |
| 386 | Strategies and tactics in olefin metathesis. 2012 , 68, 397-421 | 119 |
| 385 | Cross-metathesis of allyl halides with olefins bearing amide and ester groups. 2012 , 68, 1177-1184 | 12 |
| 384 | Ring-closing metathesis towards functionalised pentacyclic steroids. 2012 , 53, 1859-1862 | 4 |
| 383 | Ring-opening metathesis polymerization of bicyclo[2.2.1]hepta-2,5-diene (norbornadiene) initiated by new ruthenium(II) complex. 2013 , 127, 1691-1696 | 5 |
| 382 | Synthesis and catalytic evaluation of a ruthenium alkylidene complex bearing methoxy-pyridine ligand. 2013 , 464-465, 136-141 | 4 |
| 381 | Self-metathesis of fatty acid methyl esters: full conversion by choosing the appropriate plant oil. 2013 , 3, 4927 | 58 |
| 380 | Ruthenium-catalysed synthesis of functional conjugated dienes from propargylic carbonates and silyl diazo compounds. 2013 , 19, 3292-6 | 19 |
| 379 | Efficient and selective formation of macrocyclic disubstituted Z alkenes by ring-closing metathesis (RCM) reactions catalyzed by Mo- or W-based monoaryloxy pyrrolide (MAP) complexes: applications to total syntheses of epilachnene, yuzu lactone, ambrettolide, epothilone C, and nakadomarin A. 2013 , 19, 2726-40 | 99 |
| 378 | Metathesis Reactions: Recent Trends and Challenges. 2013 , 2013, n/a-n/a | 99 |
| 377 | First total synthesis of (-)-sinularianin B. 2013 , 49, 8148-50 | 4 |

- 376 Enantioselective access to bicyclo[4.2.0]octanes by a sequence of [2+2] photocycloaddition/reduction/fragmentation. **2013**, 19, 12639-43 7
- 375 CC Bond Formation. **2013**, 767-805 4
- 374 Polymer-supported siloxane transfer agents for Pd-catalyzed cross-coupling reactions. **2013**, 15, 4258-61 27
- 373 Mesoporous molecular sieves as advanced supports for olefin metathesis catalysts. **2013**, 257, 3107-3124 71
- 372 Synthesis and structural characterization of the individual diastereoisomers of a cross-stapled alkene-bridged nisin DE-ring mimic. **2013**, 11, 7486-96 13
- 371 A New Route to Ruthenium Thiolate Alkylidene Complexes. **2013**, 32, 5253-5255 7
- 370 Isomerizing ethenolysis as an efficient strategy for styrene synthesis. **2013**, 19, 9807-10 31
- 369 Nucleophilic thiol-Michael chemistry and hyperbranched (co)polymers: synthesis and ring-opening metathesis (co)polymerization of novel difunctional exo-7-oxanorbornenes with in situ inimer formation. **2013**, 4, 3300 23
- 368 New and concise syntheses of the bicyclic oxamazin core using an intramolecular nitroso Diels-Alder reaction and ring-closing olefin metathesis. **2013**, 15, 358-61 12
- 367 New vistas in N-heterocyclic silylene (NHSi) transition-metal coordination chemistry: syntheses, structures and reactivity towards activation of small molecules. **2013**, 19, 40-62 229
- 366 Ruthenium-based complexes containing a benzimidazolium tag covalently connected to N-heterocyclic carbene ligands: environmentally friendly catalysts for olefin metathesis transformations. **2013**, 42, 7354-8 24
- 365 Reactivation of a Ruthenium-Based Olefin Metathesis Catalyst. **2013**, 32, 5-8 22
- 364 Narrowly distributed homotelechelic polymers in 30 minutes: Using fast in situ pre-functionalized ROMP initiators. **2013**, 51, 4183-4190 27
- 363 Olefin cross-metathesis/Suzuki-Miyaura reactions on vinylphenylboronic acid pinacol esters. **2013**, 54, 1211-1217 11
- 362 Advances in the total synthesis of biologically important callipeltosides: a review. **2013**, 30, 640-93 7
- 361 Formation of Completely or Partially Reduced Pyridines and Quinolines. **2013**, 413-458 4
- 360 A large-molecular-weight polyanion, synthesized via ring-opening metathesis polymerization, as a lubricant for human articular cartilage. **2013**, 135, 4930-3 49
- 359 Synthesis of cyclic 1-alkenylboronates via Zr-mediated double functionalization of alkynylboronates and sequential Ru-catalyzed ring-closing olefin metathesis. **2013**, 15, 2418-21 13

| | | |
|-----|---|-----|
| 358 | Improved total synthesis of incednam. 2013 , 66, 155-9 | 9 |
| 357 | Mechanistic Study of Indolizine Heterocycle Formation by Ruthenium(II)-Assisted Three-Component Cross-Coupling/Cyclization. 2013 , 32, 3738-3743 | 20 |
| 356 | Stereoselective Synthesis of (R)-Pinidinone. 2013 , 96, 990-996 | 5 |
| 355 | Introduction. 2013 , 1-13 | |
| 354 | Ring-Opening Polymerization—An Introductory Review. 2013 , 5, 361-403 | 243 |
| 353 | Bulky N-Phosphinomethyl-Functionalized N-Heterocyclic Carbene Chelate Ligands: Synthesis, Molecular Geometry, Electronic Structure, and Their Ruthenium Alkylidene Complexes. 2013 , 32, 29-46 | 35 |
| 352 | Selective synthesis of [2]- and [3]catenane tuned by ring size and concentration. 2013 , 78, 5205-17 | 20 |
| 351 | Olefin metathesis ruthenium catalysts bearing unsymmetrical heterocyclic carbenes. 2013 , 257, 2274-2292 | 90 |
| 350 | Synthesis of a structural analogue of the repeating unit from Streptococcus pneumoniae 19F capsular polysaccharide based on the cross-metathesis-selenocyclization reaction sequence. 2013 , 78, 5172-83 | 8 |
| 349 | Atomic and molecular adsorption on Ru(0001). 2013 , 614, 64-74 | 62 |
| 348 | Synthesis of P-stereogenic phospholene boranes via asymmetric deprotonation and ring-closing metathesis. 2013 , 15, 192-5 | 29 |
| 347 | Dichloro[[2-(1-methylethoxy-O)phenyl]-methylene] (tricyclohexylphosphine) Ruthenium. 2013 , | |
| 346 | Synthesis of natural products with polycyclic systems. 2013 , 61, 251-7 | 10 |
| 345 | Acyclic Diene Metathesis (ADMET) Polymerization. 2013 , | 0 |
| 344 | Cationic Ruthenium Complexes in Olefin Metathesis. 2013 , 17, 2560-2574 | 8 |
| 343 | Enantioselective Total Synthesis of Otteliones A and B, Novel and Powerful Antitumor Agents from the Freshwater Plant Ottelia alismoides. 2013 , 8, 1934578X1300800 | |
| 342 | Encyclopedia of Polymeric Nanomaterials. 2014 , 1-8 | 1 |
| 341 | Encyclopedia of Polymeric Nanomaterials. 2014 , 1-12 | |

- 340 Increased functionality of methyl oleate using alkene metathesis. **2014**, 7, 322-329 2
- 339 Exploring mutasynthesis to increase structural diversity in the synthesis of highly oxygenated polyketide lactones. **2014**, 12, 5304-10 8
- 338 Synthesis of novel cyclic olefin polymers with excellent transparency and high glass-transition temperature via gradient copolymerization of bulky cyclic olefin and cis-cyclooctene. **2014**, 52, 3240-3249 14
- 337 Fischer carbene complexes remain favourite targets, and vehicles for new discoveries. **2014**, 43, 16959-73 40
- 336 Precision Polymers through ADMET Polymerization. **2014**, 215, 1936-1945 84
- 335 The Influence of Structure on Reactivity in Alkene Metathesis. **2014**, 81-188 0
- 334 Two-directional synthesis of the non-adjacent bis(tetrahydrofuran) core of cis-sylvaticin. **2014**, 55, 376-378 7
- 333 Polynorbornene/MMT nanocomposites via surface-initiated ROMP: synthesis, characterization, and dielectric and thermal properties. **2014**, 49, 749-757 7
- 332 Synthesis and reactivity of oxygen chelated ruthenium carbene metathesis catalysts. **2014**, 756, 1-9 10
- 331 Structure-based design and synthesis of tricyclic IAP (Inhibitors of Apoptosis Proteins) inhibitors. **2014**, 24, 1820-4 4
- 330 Syntheses, structures, and reactions of cyrhetrenylphosphines; applications in palladium catalyzed Suzuki cross-coupling reactions. **2014**, 749, 416-420 10
- 329 Combining ring-opening metathesis polymerization and thiol-ene coupling chemistries: facile access to novel functional linear and nonlinear macromolecules. **2014**, 35, 391-404 27
- 328 Synthesis, structure and catalytic study of oxygen chelated ruthenium (II) carbene complex. **2014**, 76, 51-54 9
- 327 Challenges and Opportunities for Scaling the Ring-Closing Metathesis Reaction in the Pharmaceutical Industry. **2014**, 349-365 21
- 326 Ruthenium-Benzylidene Olefin Metathesis Catalysts. **2014**, 397-416 3
- 325 Stereocontrolled construction of the tricyclic framework of tiglianes and daphnanes by an oxidative dearomatization approach. **2014**, 16, 2288-91 29
- 324 Remote Activation of Chemical Bonds in Heterogeneous Catalysis. **2014**, 4, 1182-1188 25
- 323 Synthesis of gem-difluoromethylene building blocks through regioselective allylation of gem-difluorocyclopropanes. **2014**, 16, 2638-41 38

| | | |
|-----|--|-----|
| 322 | JuliaKocienski olefination: a key reaction for the synthesis of macrolides. 2014 , 25, 1-55 | 45 |
| 321 | Polynorbornenes with pendant PCBM as an acceptor for OPVs: Ring-opening metathesis versus vinyl-addition polymerization. 2014 , 51, 37-44 | 11 |
| 320 | Efficient ruthenium metathesis catalysts containing carborane ligands. 2014 , 749, 13-17 | 6 |
| 319 | Advances in the frontal ring opening metathesis polymerization of dicyclopentadiene. 2014 , 52, 2776-2780 | 37 |
| 318 | Poly(oxanorbornenedicarboximide)s dendronized with amphiphilic poly(alkyl ether) dendrons. 2014 , 52, 3221-3239 | 10 |
| 317 | Synthesis of tsetse fly attractants from a cashew nut shell extract by isomerising metathesis. 2014 , 16, 4885-4890 | 40 |
| 316 | Reactions of ruthenium hydrides with ethyl-vinyl sulfide. 2014 , 43, 3501-7 | 4 |
| 315 | ROMP (co)polymers with pendent alkyne side groups: post-polymerization modification employing thiolene and CuAAC coupling chemistries. 2014 , 5, 5339-5349 | 16 |
| 314 | Donor-acceptor chemistry in the main group. 2014 , 43, 8577-86 | 98 |
| 313 | Key processes in ruthenium-catalysed olefin metathesis. 2014 , 50, 10355-75 | 119 |
| 312 | Functional β,β -dienes via thiol-Michael chemistry: synthesis, oxidative protection, acyclic diene metathesis (ADMET) polymerization and radical thiolene modification. 2014 , 5, 6225-6235 | 20 |
| 311 | Synthesis of [1]benzothieno[3,2-b][1]benzothiophene pendant and norbornene random co-polymers via ring opening metathesis. 2014 , 2, 538-541 | 10 |
| 310 | Labelling Polymers and Micellar Nanoparticles via Initiation, Propagation and Termination with ROMP. 2014 , 5, 1954-1964 | 35 |
| 309 | 5.27 Ene-ene Metathesis. 2014 , 1302-1356 | 1 |
| 308 | 6.13 Use of Carbonyl Derivatives for Heterocyclic Synthesis. 2014 , 555-572 | 1 |
| 307 | 6.12 Inorganic Acid Derivatives. 2014 , 479-554 | |
| 306 | Design and synthesis of potent macrocyclic HIV-1 protease inhibitors involving P1-P2 ligands. 2014 , 12, 6842-54 | 16 |
| 305 | Preparation of amino-substituted indenenes and 1,4-dihydronaphthalenes using a one-pot multireaction approach: total synthesis of oxybenzo[c]phenanthridine alkaloids. 2014 , 79, 7633-48 | 25 |

| | | |
|-----|--|----|
| 304 | Ene-Yne Metathesis. 2014 , 153-185 | 7 |
| 303 | Electrochemical behavior of phosphine-substituted ruthenium(II) polypyridine complexes with a single labile ligand. 2014 , 53, 7214-26 | 19 |
| 302 | Synthesis of cyclic olefin polymers with high glass transition temperature by ring-opening metathesis copolymerization and subsequent hydrogenation. 2014 , 52, 2654-2661 | 15 |
| 301 | 5.11 Intramolecular and Transannular Diels-Alder Reactions. 2014 , 466-517 | 6 |
| 300 | Catalytic asymmetric Claisen rearrangement of Gosteli-type allyl vinyl ethers: total synthesis of (-)-9,10-dihydroecklonialactone B. 2014 , 79, 3040-51 | 16 |
| 299 | Highly efficient synthesis of the tricyclic core of Taxol by cascade metathesis. 2014 , 16, 3300-3 | 13 |
| 298 | A six-coordinated cationic ruthenium carbyne complex with labile pyridine ligands: synthesis, structure, catalytic investigation, and DFT study on initiation mechanism. 2014 , 70, 4718-4725 | 12 |
| 297 | Magnetically recoverable ruthenium catalysts in organic synthesis. 2014 , 19, 4635-53 | 24 |
| 296 | Improved Synthesis of the A-E Ring Segment of Ciguatoxin CTX3C. 2014 , 88, 969 | 7 |
| 295 | Synthesis of Macrocyclic Dimer of Cyclic Hexaoxazole and Examination of Its Interaction with Telomeric Oligonucleotide. 2014 , 88, 1287 | 4 |
| 294 | A two-color fluorogenic carbene complex for tagging olefins via metathesis reaction. 2015 , 3, 044001 | 13 |
| 293 | Synthesis of Carbazole Alkaloids by Ring-Closing Metathesis and Ring Rearrangement-Aromatization. 2015 , 54, 15831-5 | 49 |
| 292 | Synthesis of Carbazole Alkaloids by Ring-Closing Metathesis and Ring Rearrangement-Aromatization. 2015 , 127, 16057-16061 | 11 |
| 291 | Synthesis and Catalytic Activity of a Grubbs-Hoveyda Pre-catalyst Having a Trimeric Resting State. 2015 , 33, 441-445 | 2 |
| 290 | Steuerliganden für Katalysatoren. 2015 , 49, 260-269 | 3 |
| 289 | Oxygen-chelated indenylidene ruthenium catalysts for olefin metathesis. 2015 , 29, 573-579 | 9 |
| 288 | Synthesis and Structures of N-Heterocyclic Carbene-Sulfonate Ruthenium Complexes and Their Applications in the Ring-Opening Metathesis Polymerization of Norbornene. 2015 , 2015, 4055-4061 | 15 |
| 287 | Development of an Enyne Metathesis/Isomerization/Diels-Alder One-Pot Reaction for the Synthesis of a Novel Near-Infrared (NIR) Dye Core. 2015 , 21, 17491-4 | 6 |

| | | |
|-----|---|-----|
| 286 | Polyphosphoester: eine neue Plattform für abbaubare Polymere. 2015 , 127, 6196-6207 | 10 |
| 285 | Olefin metathesis in air. 2015 , 11, 2038-56 | 30 |
| 284 | Synthesis of High Performance Cyclic Olefin Polymers (COPs) with Ester Group via Ring-Opening Metathesis Polymerization. 2015 , 7, 1389-1409 | 17 |
| 283 | Functional precision polymers via ADMET polymerization. 2015 , 146, 1053-1061 | 15 |
| 282 | Synthesis of novel dihydronaphthothiazine S,S -dioxides by intramolecular sulfonylamidomethylation of 2-naphthylmethanesulfonamides using Amberlyst XN-1010. 2015 , 56, 7184-7189 ⁴ | |
| 281 | Metathesis Catalysts with Fluorinated Unsymmetrical NHC Ligands. 2015 , 34, 2305-2313 | 25 |
| 280 | Convergent synthesis of the EFGH ring system of ciguatoxin CTX3C. 2015 , 71, 6547-6558 | 4 |
| 279 | Phosphite ligands in Ru-based olefin metathesis catalysts. 2015 , 146, 1043-1052 | 14 |
| 278 | Olefin metathesis meets rubber chemistry and technology. 2015 , 146, 1081-1097 | 28 |
| 277 | Origins of initiation rate differences in ruthenium olefin metathesis catalysts containing chelating benzylidenes. 2015 , 137, 5782-92 | 68 |
| 276 | Development of protein mimics for intracellular delivery. 2015 , 104, 265-80 | 34 |
| 275 | Convergent Strategies in Total Syntheses of Complex Terpenoids. 2015 , 115, 9207-31 | 105 |
| 274 | Poly(phosphoester)s: A New Platform for Degradable Polymers. 2015 , 54, 6098-108 | 159 |
| 273 | Bis-mixed-carbene ruthenium-thiolate-alkylidene complexes: synthesis and olefin metathesis activity. 2015 , 44, 1724-33 | 7 |
| 272 | Can substituted allenes be highly efficient leaving groups in catalytic processes? A computational investigation. 2015 , 36, 795-804 | 2 |
| 271 | General Ring-Closing Metathesis. 2015 , 1-170 | 7 |
| 270 | An S(N)Ar approach to sterically hindered ortho-alkoxybenzaldehydes for the synthesis of olefin metathesis catalysts. 2015 , 80, 4213-20 | 25 |
| 269 | Intramolecular sulfonylamidomethylation of 2-(2-naphthyl) and 2-(1-naphthyl)ethanesulfonamides: synthesis of new class of naphthosultams. 2015 , 56, 2054-2058 | 8 |

| | | |
|-----|--|-----|
| 268 | Transfer hydrogenation catalysis in cells as a new approach to anticancer drug design. 2015 , 6, 6582 | 170 |
| 267 | One-Pot Synthesis of 5-Amino-2,5-dihydro-1-benzoxepines: Access to Pharmacologically Active Heterocyclic Scaffolds. 2015 , 80, 4683-96 | 21 |
| 266 | Biologically Active Polymers. 2015 , 169-205 | 1 |
| 265 | Cross-Metathesis. 2015 , 171-294 | 8 |
| 264 | Silica-Supported Oligomeric Benzyl Phosphate (Si-OBP) and Triazole Phosphate (Si-OTP) Alkylating Reagents. 2015 , 80, 9942-50 | 8 |
| 263 | A new type of ruthenium carbene complexes with N-chelating ligand. 2015 , 64, 44-47 | 1 |
| 262 | From Biorefinery to Performance Technology: Transforming Renewable Olefinic Building Blocks into Lubricants and Other High-Value Products. 2015 , 201-222 | 8 |
| 261 | Synthesis of P-, S-, Si-, B-, and Se-Heterocycles via Ring-Closing Metathesis. 2015 , 319-379 | 3 |
| 260 | Bulky N-Phosphino-Functionalized N-Heterocyclic Carbene Ligands: Synthesis, Ruthenium Coordination Chemistry, and Ruthenium Alkylidene Complexes for Olefin Metathesis. 2015 , 54, 10126-40 | 11 |
| 259 | Azonia Aromatic Cations by Ring-Closing Metathesis: Synthesis of Azaquinolizinium Cations. 2015 , 2015, 4214-4223 | 13 |
| 258 | η -Trialkoxysilyl Functionalized Polycyclooctenes Synthesized by Chain-Transfer Ring-Opening Metathesis Polymerization. 2015 , 48, 7453-7465 | 23 |
| 257 | Ruthenium-catalyzed intramolecular metathesis of dienes and its application in the synthesis of bridged and spiro azabicycles. 2015 , 84, 758-785 | 9 |
| 256 | Syntheses and properties of phosphine-substituted ruthenium(II) polypyridine complexes with nitrogen oxides. 2015 , 44, 17189-200 | 14 |
| 255 | Development of Guanidinium-Rich Protein Mimics for Efficient siRNA Delivery into Human T Cells. 2015 , 16, 3172-9 | 20 |
| 254 | Ring closing metathesis by Hoveyda-Grubbs catalysts: A theoretical approach of some aspects of the initiation mechanism and the influence of solvent. 2015 , 426, 20-28 | 8 |
| 253 | The synthesis of 3-hydroxy-2,4,8-trimethyldec-8-enolides and an approach to 3,4-dihydroxy-2,4,6,8-tetramethyldec-8-enolide. 2015 , 13, 465-76 | 3 |
| 252 | ROMP synthesis of novel thermo-, pH-, and salt-responsive (co)polymers containing the morpholino functional group. 2015 , 53, 50-58 | 6 |
| 251 | Olefin metathesis reactions with fluorinated substrates, catalysts, and solvents. 2015 , 115, 871-930 | 131 |

- 250 Macrocyclization Using RCM Reactions. Synthesis of Simple Metacyclophanes and Synthetic Efforts toward Platycaryinol, a 15-Membered Aromatic Ether. **2016**, 11, 1934578X1601100
- 249 Recent Advances Toward Robust N-Protecting Groups for Glucosamine as Required for Glycosylation Strategies. **2016**, 73, 117-224 6
- 248 . **2016**, 67
- 247 Enzyme-Assisted Synthesis of Plant Oil-Based Polymers. **2016**, 127-148 2
- 246 Donor/Acceptor-Stabilized 1-Silaketene: Reversible [2+2] Cycloaddition with Pyridine and Evolution by an Olefin Metathesis Reaction. **2016**, 22, 10247-53 25
- 245 Synthetic Strategies Employed for the Construction of Fostriecin and Related Natural Products. **2016**, 116, 15035-15088 30
- 244 Nonmetathesis Heterocycle Formation by Ruthenium-Catalyzed Intramolecular [2 + 2] Cycloaddition of Allenamide-enes to Azabicyclo[3.1.1]heptanes. **2016**, 6, 3168-3171 18
- 243 Optimal Hydrophobicity in Ring-Opening Metathesis Polymerization-Based Protein Mimics Required for siRNA Internalization. **2016**, 17, 1969-77 26
- 242 Hydrohalogenative aromatization of multiynes promoted by ruthenium alkylidene complexes. **2016**, 14, 4782-8 19
- 241 Enantiopure hydroxymethylated cycloalkenols as privileged small molecular multifunctional scaffolds for the asymmetric synthesis of carbocycles. **2016**, 27, 498-512 3
- 240 Catalyst Structure and Cis/Trans Selectivity in Ruthenium-based Olefin Metathesis. **2016**, 15-45
- 239 A Divergent Approach to the Marine Diterpenoids (+)-Dictyoxetane and (+)-Dolabellane V. **2016**, 22, 15125-15136
- 238 Application of the ring-closing metathesis to the formation of 2-aryl-1H-pyrrole-3-carboxylates as building blocks for biologically active compounds. **2016**, 72, 7462-7469 10
- 237 Synthesis and X-ray structural characterization of a bidentate phosphine (dppe) palladium(II) complex and its application in Stille and Suzuki cross-coupling reactions. **2016**, 30, 998-1003 4
- 236 Ruthenium-Catalyzed Metathesis of Conjugated Polyenes. **2016**, 8, 2865-2875 17
- 235 Opportunities of Immobilized Homogeneous Metathesis Complexes as Prominent Heterogeneous Catalysts. **2016**, 8, 3010-3030 36
- 234 Stereoselective Synthesis of Stannylated Dehydropiperidines and Dehydroazepanes. **2016**, 2016, 5146-5159 3
- 233 New fluorinated catalysts for olefin metathesis. **2016**, 26, 474-476 7

- 232 Solvent-Free Ring-Opening Metathesis Polymerization of Norbornene over Silica-Supported Tungsten-Oxo Perhydrocarbyl Catalysts. **2016**, 37, 1832-1836 8
- 231 Sulfoxide-Chelated Ruthenium Benzylidene Catalyst: a Synthetic Study on the Utility of Olefin Metathesis. **2016**, 8, 2817-2823 16
- 230 Square-Planar Alkylidyne-Osmium and Five-Coordinate Alkylidene-Osmium Complexes: Controlling the Transformation from Hydride-Alkylidyne to Alkylidene. **2016**, 138, 9720-8 24
- 229 Synthesis of Novel Cyclic Olefin Polymer with High Glass Transition Temperature via Ring-Opening Metathesis Polymerization. **2016**, 217, 2708-2716 12
- 228 Latent ruthenium carbene complexes with six-membered N- and S-chelate rings. **2016**, 65, 490-497 8
- 227 Highly efficient nitrogen chelated ruthenium carbene metathesis catalysts. **2016**, 45, 19441-19448 12
- 226 Making Mechanical Bonds Under Thermodynamic Control. **2016**, 269-345
- 225 Synthesis of Amaryllidaceae Constituents and Unnatural Derivatives. **2016**, 55, 5642-91 58
- 224 Synthese von Inhaltsstoffen der Amaryllisgewächse und nichtnatürlichen Derivaten. **2016**, 128, 5732-5784 10
- 223 Metathesis Reactions on Solid-Phase: Towards New Synthesis Challenges. **2016**, 59, 1143-1150 4
- 222 Amide-Directed Formation of Five-Coordinate Osmium Alkylidenes from Alkynes. **2016**, 35, 91-99 23
- 221 Application of Silica-Supported Alkylating Reagents in a One-Pot, Sequential Protocol to Diverse Benzoxathiazepine 1,1-Dioxides. **2016**, 18, 387-93 6
- 220 Versatile Tandem Ring-Opening/Ring-Closing Metathesis Polymerization: Strategies for Successful Polymerization of Challenging Monomers and Their Mechanistic Studies. **2016**, 138, 2244-51 35
- 219 N-Trifluoromethyl NHC Ligands Provide Selective Ruthenium Metathesis Catalysts. **2016**, 35, 887-893 23
- 218 Synthesis of linear [5]catenanes via olefin metathesis dimerization of pseudorotaxanes composed of a [2]catenane and a secondary ammonium salt. **2016**, 52, 319-22 25
- 217 Effect of the bulkiness of indenylidene moieties on the catalytic initiation and efficiency of second-generation ruthenium-based olefin metathesis catalysts. **2016**, 6, 2092-2100 6
- 216 Synthesis and Reactivity of Heavier Alkyne Analogues Stabilised by Extremely Bulky Amide Ligands. **2017**, 43-112
- 215 Ruthenium-Catalyzed Cross-Metathesis of Allyl Acetate and Styrenes: A Practical Approach to the Synthesis of Tripolinolate A and Its Analogs. **2017**, 2017, 1736-1739 4

| | | |
|-----|--|-----|
| 214 | Cross-Metathesis on Immobilized Substrates Application to the Generation of Synthetically and Biologically Relevant Structures. 2017 , 2017, 1675-1693 | 7 |
| 213 | Successful Cyclopolymerization of 1,6-Heptadiynes Using First-Generation Grubbs Catalyst Twenty Years after Its Invention: Revealing a Comprehensive Picture of Cyclopolymerization Using Grubbs Catalysts. 2017 , 50, 3153-3163 | 18 |
| 212 | Ruthenium Catalysts Supported by Amino-Substituted N-Heterocyclic Carbene Ligands for Olefin Metathesis of Challenging Substrates. 2017 , 23, 1950-1955 | 16 |
| 211 | Synthesis of metathesis catalysts with fluorinated unsymmetrical N, N-Diaryl imidazoline-based NHC ligands. 2017 , 200, 66-76 | 14 |
| 210 | A redox-switchable ring-closing metathesis catalyst. 2017 , 4, 1525-1532 | 15 |
| 209 | A pH-controlled recyclable indolinoxazolidine tagged N-heterocyclic carbene Ru catalyst for olefin metathesis. 2017 , 46, 5986-5993 | 4 |
| 208 | Synthesis and Olfactory Properties of a 6'-Silasubstituted "Spiro[4.5]-Damascone". 2017 , 23, 4590-4596 | 6 |
| 207 | Asymmetric total synthesis of (R)- β -cuparenone, (S)-cuparene and formal synthesis of (R)- β -cuparenone through Meinwald rearrangement and ring closing metathesis (RCM) reaction. 2017 , 73, 809-818 | 9 |
| 206 | Acyclic diene metathesis polymerization: History, methods and applications. 2017 , 69, 79-107 | 57 |
| 205 | Hydrogen bond-directed assembly of silsesquioxanes cubes: synthesis of carboxylic acid POSS derivatives and the solid state structure of octa[2-(p-carboxyphenyl)ethyl] silsesquioxane. 2017 , 19, 492-502 | 12 |
| 204 | Reactions of (Cyclopentadienylidenehydrazono)triphenylphosphorane with Chlororuthenium(II) Complexes and Substituent Effect on the Thermodynamic Trend in the Migratory-Insertion Reactions of Chlororuthenium-Alkylidene Complexes. 2017 , 36, 3266-3275 | 3 |
| 203 | 50th Anniversary Perspective: Living Polymerization Emphasizing the Molecule in Macromolecules. 2017 , 50, 6979-6997 | 203 |
| 202 | Green Route to Prepare Renewable Polyesters from Monomers: Enzymatic Polymerization. 2017 , 219-237 | 1 |
| 201 | Metathesis. 2017 , 959-999 | |
| 200 | Ruthenium and Osmium Germyl Complexes Derived from the Reactions of $\text{MXCl}(\text{PPh}_3)_3$ (M = Ru, Os; X = Cl, H) with Terphenylchlorogermylene ($\text{C}_6\text{H}_3\text{-2,6-Trip}_2$)GeCl (Trip = 2,4,6-iPr ₃ C ₆ H ₂). 2017 , 2017, 4784-4796 | 5 |
| 199 | Design, Synthesis, and Application of Polymer-Supported Silicon-Transfer Agents for Cross-Coupling Reactions with Organolithium Reagents. 2017 , 82, 11056-11071 | 13 |
| 198 | Design and Synthesis of Spirocycles. 2017 , 2017, 5316-5342 | 59 |
| 197 | Ring opening metathesis polymerization (ROMP) of five- to eight-membered cyclic olefins: Computational, thermodynamic, and experimental approach. 2017 , 55, 3137-3145 | 34 |

- 196 Synthesis and Configuration of Neomaclafungin A. **2017**, 12, 2211-2215 6
- 195 A Highly Stereoselective and Efficient Catalytic Approach for the Synthesis of trans-Stilbene β renes as β Conjugated Materials. **2017**, 2017, 4291-4299 6
- 194 Synthesis of Organometallic Compounds. **2017**, 247-277 1
- 193 Controlled Metathetic Depolymerization of Natural Rubber in Ionic Liquids: From Waste Tires to Telechelic Polyisoprene Oligomers. **2017**, 5, 696-700 26
- 192 Ruthenium-Catalyzed Metathesis Cascade Reactions in Natural Products Synthesis. **2017**, 17, 499-517 6
- 191 Coordination Polymerization. **2017**, 293-319
- 190 Development of a Glycosylation Reaction: A Key to Accessing Structurally Unique Nucleosides. **2017**, 94, 1625 6
- 189 Ring Rearrangement Metathesis in 7-Oxabicyclo[2.2.1]heptene (7-Oxanorbornene) Derivatives. Some Applications in Natural Product Chemistry. **2017**, 12, 1934578X1701200
- 188 The chemistry and biology of mycolactones. **2017**, 13, 1596-1660 23
- 187 Modified η -Heterocyclic Carbene Ligand for the Recovery of Olefin Metathesis Catalysts via Noncovalent Host-Guest Interactions. **2017**, 2, 3951-3957 12
- 186 Ruthenium Carbene Complexes Analogous to Grubbs-I Catalysts Featuring Germylenes as Ancillary Ligands. **2018**, 37, 3399-3406 20
- 185 Hoveyda-Grubbs II Catalyst: A Useful Catalyst for One-Pot Visible-Light-Promoted Ring Contraction and Olefin Metathesis Reactions. **2018**, 20, 2774-2777 24
- 184 Unusual Superior Activity of the First Generation Grubbs Catalyst in Cascade Olefin Metathesis Polymerization. **2018**, 7, 531-535 5
- 183 Functional Metathesis Catalyst Through Ring Closing Enyne Metathesis: One Pot Protocol for Living Heterotelechelic Polymers. **2018**, 140, 3181-3185 22
- 182 Catalytic vinylogous cross-coupling reactions of rhenium vinylcarbenoids. **2018**, 9, 2489-2492 14
- 181 The Emergence and Evolution of Organic Synthesis and Why It is Important to Sustain It as an Advancing Art and Science for Its Own Sake. **2018**, 58, 104-113 23
- 180 Studies towards the total synthesis of Phostriecin. **2018**, 59, 454-456 5
- 179 Improved Synthesis of the A β Ring Segment of Ciguatoxin CTX3C by Using Intramolecular Allylations. **2018**, 91, 507-514 3

- 178 Recent advances in ruthenium-based olefin metathesis. **2018**, 47, 4510-4544 308
- 177 The influence of the cationic carbenes on the initiation kinetics of ruthenium-based metathesis catalysts; a DFT study. **2018**, 14, 2872-2880 8
- 176 Metathesis in water conducted by tailor-made encapsulated Grubbs catalyst. **2018**, 20, 5179-5187 9
- 175 New olefin metathesis catalysts with fluorinated unsymmetrical imidazole-based ligands. **2018**, 28, 609-611 6
- 174 Ring Opening Metathesis Polymerization. **2018**, 1 1
- 173 Efficient Syntheses of Quinolizidine-Type Poison-Frog Alkaloids via Michael-Type Conjugate Addition. **2018**, 42, 227-232
- 172 A Catalytic Cross-Olefination of Diazo Compounds with Sulfoxonium Ylides. **2018**, 57, 16215-16218 50
- 171 Eine katalytische Kreuz-Olefinierung von Diazoverbindungen mit Sulfoxonium-Yliden. **2018**, 130, 16448-16452 10
- 170 Catalytic Metathesis Reactions: Nobel Prize Catalysis. **2018**, 259-290
- 169 SIMes/PCy₃ mixed ligand-coordinated alkyl group-tagged ruthenium indenylidene complexes: Synthesis, characterization and metathesis activity. **2018**, 32, e4548 2
- 168 Metal-mediated reactions towards the synthesis of a novel deaminolysed bisurea, dicarbamolyamine. **2018**, 16, 535-543 3
- 167 Enantioselective Palladium-Catalyzed N-Allylation of Lactams. **2018**, 3, 5216-5219 1
- 166 Stereoselective Synthesis of C₁₇ and C₂₂ Fragments of Phostriecin, Goniotalamines, and Their Analogues. **2018**, 2018, 4389-4399 5
- 165 Bis(η^5 -pentafulvene)niobium(V) Complexes: Efficient Synthons for Niobium Carbene and Imido Derivatives. **2018**, 57, 12062-12066 5
- 164 Superior Cascade Ring-Opening/Ring-Closing Metathesis Polymerization and Multiple Olefin Metathesis Polymerization: Enhancing the Driving Force for Successful Polymerization of Challenging Monomers. **2018**, 140, 10536-10545 14
- 163 Bis(η^5 -pentafulvene)niobium(V) Complexes: Efficient Synthons for Niobium Carbene and Imido Derivatives. **2018**, 130, 12238-12242 1
- 162 Complexes of [(dad)Ti(L/X)]_m That Reveal Redox Non-Innocence and a Stepwise Carbene Insertion into a Carbon-Carbon Bond. **2018**, 37, 3488-3501 7
- 161 Overview of Ring-Opening Metathesis Polymerizations (ROMP) and Acyclic Diene Metathesis (ADMET) Polymerizations with Selected Ruthenium and Molybdenum Complexes. **2018**, 631-659

| | | |
|-----|--|----|
| 160 | Practical Synthesis of Functional Metathesis Initiators Using Enynes. 2018 , 51, 6497-6503 | 16 |
| 159 | In Situ-Generated Niobium-Catalyzed Synthesis of 3-Pyrroline Derivatives via Ring-Closing Metathesis Reactions. 2018 , 3, 8865-8873 | 6 |
| 158 | Photoinitiated ring-opening metathesis polymerization. 2019 , 57, 1791-1795 | 11 |
| 157 | Electronic effects in mixed N-heterocyclic carbene/phosphite indenylidene ruthenium metathesis catalysts. 2019 , 48, 11326-11337 | 6 |
| 156 | A Variable Neighbourhood Descent Heuristic for Conformational Search Using a Quantum Annealer. 2019 , 9, 13708 | 4 |
| 155 | Metathesis Polymerization in Ionic Media. 2019 , 61, 2-16 | 3 |
| 154 | A Terminal Iron Nitrilimine Complex: Accessing the Terminal Nitride through Diazo N-N Bond Cleavage. 2019 , 58, 18547-18551 | 17 |
| 153 | Silica Supported Molecular Palladium Catalyst for Selective Hydrodeoxygenation of Aromatic Compounds under Mild Conditions. 2019 , 9, 9060-9071 | 9 |
| 152 | Combining a ligand photogenerator and a Ru precatalyst: a photoinduced approach to cross-linked ROMP polymer films.. 2019 , 9, 27789-27799 | 16 |
| 151 | Metallalkenyl, Metallacyclopentene, or Metallallylcarbenoid? Ru-Catalyzed Annulation between Benzoic Acid and Alkyne. 2019 , 9, 9387-9392 | 13 |
| 150 | Catalysts Encapsulated in Biopolymer Hydrogels for Chemoenzymatic One-Pot Processes in Aqueous Media. 2019 , 11, 1503-1509 | 13 |
| 149 | Functionalisation of isoindolinones via a calcium catalysed Hosomi-Sakurai allylation. 2019 , 55, 8317-8320 | 9 |
| 148 | Synthesis of the non-adjacent bis(tetrahydrofuran) core of squamostanin C by silicon-tethered, size-selective triple ring-closing metathesis. 2019 , 60, 1773-1776 | 2 |
| 147 | Olefin metathesis of fatty acids and vegetable oils. 2019 , 131, 1 | 23 |
| 146 | Synthesis of gem-Difluoromethylene Containing Cycloalkenes via the Ring-Opening Reaction of gem-Difluorocyclopropanes and Subsequent RCM Reaction. 2019 , 84, 5440-5449 | 12 |
| 145 | Schrock vs Fischer carbenes: A quantum chemical perspective. 2019 , 385-443 | 4 |
| 144 | Palladium-catalyzed intermolecular [4 + 2] formal cycloaddition with (Z)-3-iodo allylic nucleophiles and allenamides. 2019 , 17, 2651-2656 | 11 |
| 143 | Ein terminaler Nitriliminkomplex des Eisens: Zugang zum terminalen Nitrid durch Spaltung einer Diazo-N-N-Bindung. 2019 , 131, 18719-18723 | 4 |

| | | |
|-----|---|-----|
| 142 | Ruthenium catalyzed synthesis of five-membered O-heterocycles. 2019 , 99, 82-107 | 26 |
| 141 | The synthesis of cyclic polymers by olefin metathesis: Achievements and challenges. 2019 , 57, 228-242 | 24 |
| 140 | Atom Transfer Radical Polymerization: Billion Times More Active Catalysts and New Initiation Systems. 2019 , 40, e1800616 | 131 |
| 139 | The Roles of Organometallic Chemistry in Pharmaceutical Research and Development. 2019 , 38, 1-2 | 4 |
| 138 | Pulsed-addition ring-opening metathesis polymerization with functional enyne reagents. 2020 , 11, 259-264 | 4 |
| 137 | Concise gram-scale synthesis of Euphorikanin A skeleton through a domino ring-closing metathesis strategy. 2020 , 56, 531-534 | 7 |
| 136 | A straightforward access to functionalizable polymers through ring-opening metathesis polymerization of levoglucosenone-derived monomers. 2020 , 138, 109980 | 10 |
| 135 | Insight into the Decomposition Mechanism of Donor-Acceptor Complexes of EH (E = Ge and Sn) and Access to Germanium Thin Films from Solution. 2020 , 59, 10996-11008 | 6 |
| 134 | Chemicals from Vegetable Oils, Fatty Derivatives, and Plant Biomass. 2020 , 1-31 | 2 |
| 133 | Transformations of bio-sourced 4-hydroxyphenylpropanoids based on olefin metathesis. 2020 , 12, 5000-5021 | 5 |
| 132 | Site-switchable mono-O-allylation of polyols. 2020 , 11, 5681 | 7 |
| 131 | Decomposition of Ruthenium Olefin Metathesis Catalyst. 2020 , 10, 887 | 17 |
| 130 | Impact of Ethylene on Efficiency and Stereocontrol in Olefin Metathesis: When to Add It, When to Remove It, and When to Avoid It. 2020 , 59, 22324-22348 | 21 |
| 129 | Impact of Ethylene on Efficiency and Stereocontrol in Olefin Metathesis: When to Add It, When to Remove It, and When to Avoid It. 2020 , 132, 22508-22532 | 9 |
| 128 | Coordination and Reactivity Studies of Titanium Complexes of Monoanionic Inversely Polarized PhosphaalkeneEthenolate Ligands. 2020 , 39, 3260-3267 | 2 |
| 127 | Extension of Surface Organometallic Chemistry to Metal-Organic Frameworks: Development of a Well-Defined Single Site [(?Zr-O-)W(?O)(CHBu)] Olefin Metathesis Catalyst. 2020 , 142, 16690-16703 | 19 |
| 126 | Synthesis and Resolution of Optically Active Topologically Chiral Catenane. 2020 , 49, 1435-1438 | 1 |
| 125 | Bulky Diphosphine Acetate Ruthenium Complexes: Synthesis and Catalytic Activity in Ketone Transfer Hydrogenation and Alkyne Dimerization. 2020 , 39, 3180-3193 | 1 |

| | | |
|-----|---|-----|
| 124 | Monodisperse Macromolecules by Self-Interrupted Living Polymerization. 2020 , 142, 15265-15270 | 27 |
| 123 | Self-assembled nanostructures from amphiphilic block copolymers prepared via ring-opening metathesis polymerization (ROMP). 2020 , 107, 101278 | 36 |
| 122 | An additional potential donor-bearing alkylidene-containing latent NHC Ruthenium-based catalyst for olefin metathesis polymerization. 2020 , 11, 2511-2518 | 6 |
| 121 | In a Quest for Selectivity Paired with Activity: A Ruthenium Olefin Metathesis Catalyst Bearing an Unsymmetrical Phenanthrene-Based N-Heterocyclic Carbene. 2020 , 26, 3782-3794 | 7 |
| 120 | . 2020 , | 2 |
| 119 | Cross-Metathesis of Methallyl Halides: Concise Enantioselective Formal Total Synthesis of (-)-Presphaerene. 2020 , 8, 494 | 1 |
| 118 | Latest Industrial Uses of Olefin Metathesis. 2020 , 259-282 | 2 |
| 117 | Automated in Silico Design of Homogeneous Catalysts. 2020 , 10, 2354-2377 | 66 |
| 116 | Z-Selective Monothiolate Ruthenium Indenylidene Olefin Metathesis Catalysts. 2020 , 39, 397-407 | 10 |
| 115 | Recent progress on donor and donor-donor carbenes. 2020 , 49, 908-950 | 130 |
| 114 | Synthetic strategies, properties, and applications of unsaturated main-chain metallopolymers prepared by olefin metathesis polymerization. 2021 , 61, 415-455 | 4 |
| 113 | Translational isomers of -sulfonylated [3]catenane: synthesis and isomerization. 2021 , 57, 1915-1918 | |
| 112 | Surface-Initiated Ring-Opening Metathesis Polymerization (SI-ROMP): History, General Features, and Applications in Surface Engineering with Polymer Brushes. 2021 , 2021, 1-15 | 3 |
| 111 | Recent developments in highly efficient construction of P-stereogenic centers. 2021 , 2, 6-18 | 21 |
| 110 | Metathesis of Ge=Ge double bonds. 2021 , 13, 373-377 | 10 |
| 109 | Total Synthesis and Structural Reassignment of Laingolide A. 2021 , 19, | 1 |
| 108 | Cobalt Diazo-Compounds: From Nitrilimide to Isocyanamide via a Diazomethanediide Fleeting Intermediate. 2021 , 133, 11238-11242 | 1 |
| 107 | Synthesis of Non-canonical Amino Acids and Peptide Containing Them for Establishment of the Template for Drug Discovery. 2021 , 69, 303-313 | 0 |

| | | |
|-----|---|-----|
| 106 | Synthesis of Conjugated Copolymer Containing Spirobifluorene Skeleton by Acyclic Diene Metathesis Polymerization for Polymer Light-Emitting Diode Applications. 2021 , 42, 929 | 1 |
| 105 | Cobalt Diazo-Compounds: From Nitrilimide to Isocyanamide via a Diazomethanediide Fleeting Intermediate. 2021 , 60, 11138-11142 | 5 |
| 104 | Plant oil-based polymers. 2021 , | |
| 103 | Selective Ring-Opening Allene Metathesis: Polymerization or Ruthenium Vinylidene Formation.. 2021 , 10, 642-648 | 2 |
| 102 | Total Synthesis of Chlorinated Oxylin Eiseniachloride B. 2021 , 69, 590-594 | |
| 101 | Influence of the anionic ligands on properties and reactivity of Hoveyda-Grubbs catalysts. 2021 , 509, 111612 | 1 |
| 100 | Enantiopure 2,9-Dideuterodecane Preparation and Proof of Enantiopurity. 2021 , 2021, 3854-3863 | |
| 99 | Carbon-Carbon Bond Formation between N-Heterocyclic Carbene Ligand on Ruthenium Carbene Catalysts and 1,4-Naphthoquinone via Intramolecular Carbon(sp ³)Hydrogen Bond Activation. 2021 , 40, 2901-2908 | 0 |
| 98 | Stereoselective synthesis of novel carbocyclic and heterocyclic scaffolds of medicinal importance from biocatalytically derived enantiopure β -substituted- β -hydroxy esters. 2021 , 94, 132356 | |
| 97 | The Versatile Reaction Chemistry of an Alpha-Boryl Diazo Compound. 2021 , 143, 14059-14064 | 2 |
| 96 | Degradable polymers via olefin metathesis polymerization. 2021 , 120, 101427 | 4 |
| 95 | Four-Membered Rings With One Boron or Other Atom. 2021 , 385-385 | |
| 94 | Implementation of Diverse Synthetic and Strategic Approaches to Biologically Active Sulfamides. 2021 , 6, 430-469 | 8 |
| 93 | Synthesis of 1,3-Dienes from Alkynes and Ethylene: Acetic Acid 2-Methylene-3-phenethylbut-3-enyl Ester. 2005 , 1-13 | 2 |
| 92 | Development of hydrogenated ring-opening metathesis polymers. 2000 , 38, 4661-4668 | 5 |
| 91 | Ring-Opening Metathesis Polymerization. 2012 , 547-586 | 1 |
| 90 | Ring-Closing Metathesis in the Synthesis of Epothilones and Polyether Natural Products. 1998 , 73-104 | 17 |
| 89 | Enyne Metathesis. 1998 , 133-154 | 105 |

| | | |
|----|---|----|
| 88 | Recent Advances in ADMET Chemistry. 1998 , 183-198 | 21 |
| 87 | New Ruthenium Catalysts for Alkene Metathesis. 2007 , 3-27 | 5 |
| 86 | Synthesis and Activity in Ring-Closing Metathesis of Phosphine and NHC-Containing Ruthenium-Indenylidene (Bis)Pyridine Complexes. 2007 , 29-37 | 3 |
| 85 | Catalytic Alkene Metathesis in Ionic Liquids. 2007 , 483-501 | 2 |
| 84 | C-glycosides. 2016 , 281-309 | 2 |
| 83 | Carbasugars: Synthesis and Functions. 2001 , 2595-2661 | 2 |
| 82 | Metathesis and Polymerization. 2014 , 237-269 | 7 |
| 81 | Ruthenium-Indenylidene Complexes Bearing Saturated N-Heterocyclic Carbenes: Synthesis and Application in Ring-Closing Metathesis Reactions. 2010 , 31-38 | 2 |
| 80 | Building Indenylidene-Ruthenium Catalysts for Metathesis Transformations. 2010 , 39-47 | 1 |
| 79 | The Alkene Metathesis Ruthenium Catalyst Saga. 2003 , 1-21 | 1 |
| 78 | Ruthenium Carbenes as Catalysts for Alkene Metathesis. 2003 , 23-42 | 2 |
| 77 | Dual Activity of Ruthenium Catalysts in Controlled Radical Reactions and Olefin Metathesis. 2003 , 87-100 | 1 |
| 76 | Silylative Coupling Polycondensation (SCP) vs. ADMET Polymerization of Divinylsubstituted Silicon Compounds. 2002 , 331-340 | 2 |
| 75 | Well-Defined Crosslinked Materials Via Resin Transfer Moulding (RTM)-ROMP. 2002 , 105-115 | 3 |
| 74 | Doubly Bonded Metal Functions. 2005 , 551-571 | 0 |
| 73 | Alkylidene Complexes of the Group 3 Metals and Lanthanides. 2020 , | 1 |
| 72 | Exploiting the strain in [2.2.1]bicyclic systems in polymer and synthetic organic chemistry. 2000 , 145-185 | 6 |
| 71 | Selective domino ring-closing metathesis-cross-metathesis reactions between enynes and electron-deficient alkenes. 2003 , 5, 2007-9 | 66 |

| | | |
|----|---|----|
| 70 | Main-Chain Ferrocene-Containing Polymers Prepared by Acyclic Diene Metathesis Polymerization: A Review. 2020 , 24, 1010-1017 | 5 |
| 69 | A Synthesis of Substituted 3,6-Dihydro-1H-benzo[c]oxocines via Claisen Rearrangement and Ring-closing Metathesis. 2002 , 57, 2021 | 15 |
| 68 | Ruthenium-catalyzed ROM-RCM of Cyclopentene-yne. Concise Synthesis of a Pyrrolizidine Derivative. 2006 , 67, 89 | 5 |
| 67 | Computational Studies on the Racemization Barriers of Winding Vine-Shaped Heterobiaryls with Molecular Asymmetry. 2019 , 99, 294 | 3 |
| 66 | Synthesis of Nitrogen- and Oxygen-Bridged Seven- to Ten-Membered Carbocycles Using Metathesis Reactions. 2010 , 81, 1603 | 21 |
| 65 | Catalytic Activity of Binuclear Ru-Complexes in Ring-Closing Metathesis. 2009 , 30, 285-286 | 2 |
| 64 | Synthesis of Substituted Aromatic Compounds Using Ruthenium-Catalyzed Ring-Closing Metathesis. 2009 , 67, 876-888 | 2 |
| 63 | Convergent Method via α -Cyano Ethers: A Powerful Strategy for Synthesizing Ladder-Shaped Polyethers. 2012 , 70, 1170-1177 | 6 |
| 62 | Metathesis Polymerization-Based Synthesis of Functionalized Polymers Aiming at Medicinal Application. 2013 , 71, 601-615 | 5 |
| 61 | Total Synthesis of Natural Products Using Sequential Olefin Metathesis Reactions. 2015 , 73, 1192-1199 | 1 |
| 60 | Industrial Application and Olefin Metathesis Catalyst Technologies for Reaction Injection Molding of Dicyclopentadiene. 2017 , 75, 111-120 | 2 |
| 59 | Ring closing metathesis for the construction of carbazole and indole-fused natural products. 2021 , 19, 9797-9808 | 4 |
| 58 | Propellanes as Drop-In ROMP Initiators. 2021 , 40, 3389-3396 | 1 |
| 57 | Well-Defined Linear and Crosslinked Materials via ROMP and RTM Processing. 2003 , 229-235 | |
| 56 | Metathesis Reactions. 2005 , 539-558 | |
| 55 | 2-Substituted-1,3-Cyclohexadienes by Intermolecular, Methylene-Free Tandem Enyne Metathesis. 2006 , 200-208 | |
| 54 | Metathesis Reaction Using Carbene Complexes. 2007 , 8, 19-25 | |
| 53 | Homobimetallic Ruthenium π -Heterocyclic Carbene Complexes For Olefin Metathesis. 2007 , 91-109 | 0 |

- 52 Synthesis of Glycolipids. **2008**, 1629-1669 1
- 51 Typical Reactions. 148-290
- 50 State-of-the-Art. 40-95 1
- 49 Mono- and Bimetallic Ruthenium-Arene Catalysts for Olefin Metathesis: A Survey. **2010**, 89-100
- 48 N-Heterocyclic Carbene Complexes in Olefin Metathesis. **2010**, 63-103 1
- 47 Katalytische Polymerisation. **2014**, 311-339
- 46 Living Ring-Opening Metathesis Polymerization in Aqueous Media. **1997**, 46, 78-78
- 45 Bibliography. **1997**, 411-460
- 44 The Molecular Recognition of Saccharides and Glycoprotein-Inspired Materials. **1998**, 183-212
- 43 CATALYTIC ORGANIC SYNTHESIS: A NEW PARADIGM IN INDUSTRIAL PROCESS INTENSIFICATION. **2014**, 329-374
- 42 Thermal Stability of Grubbs' Catalyst and Its Reactivity with Self-healing Agents. **2015**, 28, 395-401
- 41 Photochemical methods in metathesis reactions. **2020**, 18, 8034-8057 1
- 40 Formation of Osmium Alkylidene, Alkylidyne, and Dinitrogen Complexes from Reactions of $\text{OsCl}_2(\text{PPh}_3)_3$ with Diazoalkanes.
- 39 C-Glycosides. **2007**, 247-271
- 38 Transformations of Alkenes and Alkynes. **2007**, 367-393
- 37 Ruthenium: Organometallic Chemistry. 1-42 0
- 36 Transition Metal Carbide Complexes. **2021**, 3
- 35 One-Pot Heterotelechelic Metathesis Polymers via Regioselective Chain Transfer Agents.. **2021**, 10, 1487-14924

- 34 Can chemical reactivity descriptors explain catalytic reactivity?. **2022**, 960, 122229 1
- 33 Ruthenium and Osmium Complexes Containing NHC and π -Acid Ligands. **2022**, 960, 122229 0
- 32 Recent trends in Grubbs catalysis toward the synthesis of natural products: a review. 1
- 31 Synthesis of pyrimidine-containing alkaloids.. **2022**, 88, 49-367 1
- 30 Synthesis of the eight-membered carbocycle of brachialactone by intramolecular Mizoroki-Heck reaction. **2022**, 90, 153608 0
- 29 Metathesis reactions in total- and natural product fragments syntheses. 2
- 28 Ruthenium benzylidene and benzyldiyne complexes: Alkene metathesis catalysis. **2022**, 960, 122229 0
- 27 Ring-Opening Metathesis Polymerization: Mechanisms. 1-50 1
- 26 Isolation, Identification, and DFT-based Conformational Analysis of Sesquikarahanadienone and its Congeners from Freshwater Dothideomycetes *Neohelicascus aquaticus* KT4120. 0
- 25 Data_Sheet_1.docx. **2020**, 960, 122229 0
- 24 C-Glycosides. **2022**, 367-402 0
- 23 Revisiting the Chemistry of Vinylpyrazoles: Properties, Synthesis, and Reactivity. **2022**, 27, 3493 0
- 22 Orthogonally deconstructable and depolymerizable polysilylethers via entropy-driven ring-opening metathesis polymerization. 1
- 21 Enantioselective Total Synthesis of Multifidene, a Sex Pheromone of Brown Algae. **2022**, 3, 187-195 0
- 20 Synthesis of Olefins by Formal Carbene Coupling. 0
- 19 Diazoacetates as Terminating Agents in Living Ring-Opening Metathesis Polymerization: Synthesis of Chain-End-Functionalized Polymers. 0
- 18 Regiodivergent Medium-Ring Oxasilacycle Synthesis from Diallylsilanes. **2022**, 104, 1966 0
- 17 Total Syntheses of Conhydrines via Ruthenium-Catalyzed Ring-Closing Metathesis (RCM) Reactions. **2022**, 104, 1913 0

- 16 Atroposelective Arene-Forming Alkene Metathesis. ○
- 15 Atroposelective Arene-Forming Alkene Metathesis. ○
- 14 ADMET Polymerization. 1-25 ○
- 13 Metathesis [Homogeneous]. ○
- 12 Convergent and Scalable Synthesis of the ABCDE-Ring Fragment of Caribbean Ciguatoxin C-CTX-1. ○
- 11 A Novel Highly Effective Second-generation Grubbs Pre-catalyst for the Ring-closing Metathesis. **2023**, 66, 23-26 ○
- 10 Mechanistic, Computational Study of Alkene-Diazene Heterofunctional Cross-Metathesis Catalyzed by Ruthenium Complexes. ○
- 9 Fluorinated Imines in Tandem and Cycloaddition Reactions. ○
- 8 Telechelic phosphonated rubber from metathetic depolymerization of polydienes and of waste tires. **2023**, 185, 111805 ○
- 7 Synthesis of polynorbornadienes by ring-opening metathesis polymerization and their saturated derivatives bearing various ester groups and carboxyl groups. **2023**, 13, 3494-3504 ○
- 6 Organometallic Compounds: The Fundamental Aspects. **2023**, 1-23 ○
- 5 Computational Modeling of 4d and 5d Transition Metal Catalysts. **2023**, ○
- 4 Synthesis of diazocines and oxocines by cyclization of dienes. **2023**, 243-283 ○
- 3 Synthesis of Selectively gem -Difluorinated Molecules; Chiral gem -Difluorocyclopropanes via Chemo-Enzymatic Reaction and gem -Difluorinated Compounds via Radical Reaction. ○
- 2 Group 4 metal silylidenes and germylidenes: towards the silicon and germanium variations of olefin metathesis. **2023**, 33, 145-152 ○
- 1 Highly Robust and Efficient Blechert-Type Cyclic(alkyl)(amino)carbene Ruthenium Complexes for Olefin Metathesis. 6195-6202 ○