Karol Grela

List of Publications by Year in Descending Order

235 papers	8,604 citations	47 h-index	84 g-index
309 ext. papers	9,280 ext. citations	5.6 avg, IF	6.36 L-index

#	Paper	IF	Citations
235	Testing enabling techniques for olefin metathesis reactions of lipophilic substrates in water as a diluent.. *IScience*, **2022**, 25, 104131	6.1	0
234	Testing diverse strategies for ruthenium catalyst removal after aqueous homogeneous olefin metathesis. *Journal of Organometallic Chemistry*, **2022**, 965-966, 122320	2.3	1
233	Ruthenium Complex Bearing a Hydroxy Group Functionalised N-Heterocyclic Carbene Ligand – A Universal Platform for Synthesis of Tagged and Immobilised Catalysts for Olefin Metathesis. *European Journal of Organic Chemistry*, **2021**, 2021, 6424	3.2	0
232	Synthesis and Catalytic Properties of a Very Latent Selenium-Chelated Ruthenium Benzylidene Olefin Metathesis Catalyst. *Organometallics*, **2021**, 40, 3608-3616	3.8	1
231	Nitro and Other Electron Withdrawing Group Activated Ruthenium Catalysts for Olefin Metathesis Reactions. *Angewandte Chemie - International Edition*, **2021**, 60, 13738-13756	16.4	20
230	Larger scale Stahl oxidation with instant Cu removal in convenient synthesis of chiral bidentate N-heterocyclic carbene precursor. *Polyhedron*, **2021**, 199, 115090	2.7	1
229	Tandem Olefin Metathesis/-Ketohydroxylation Revisited. *Catalysts*, **2021**, 11, 719	4	
228	Ruthenium Complexes Featuring Unsymmetrical N-Heterocyclic Carbene Ligands-Useful Olefin Metathesis Catalysts for Special Tasks. *Chemical Record*, **2021**,	6.6	5
227	Ruthenium Olefin Metathesis Catalysts Featuring N-Heterocyclic Carbene Ligands Tagged with Isonicotinic and 4-(Dimethylamino)benzoic Acid Rests: Evaluation of a Modular Synthetic Strategy. *Molecules*, **2021**, 26,	4.8	2
226	Activated Hoveyda-Grubbs Olefin Metathesis Catalysts Derived from a Large Scale Produced Pharmaceutical Intermediate – Sildenafil Aldehyde. *Advanced Synthesis and Catalysis*, **2021**, 363, 4590	5.6	3
225	An Anionic, Chelating C(sp3)/NHC ligand from the Combination of an N-heterobicyclic Carbene and Barbituric Heterocycle. *Organometallics*, **2021**, 40, 3223-3234	3.8	
224	Heterobimetallic Coinage Metal-Ruthenium Complexes Supported by Anionic N-Heterocyclic Carbenes. *Chemistry - A European Journal*, **2021**, 27, 15217-15225	4.8	1
223	Ligand-free (Z)-selective transfer semihydrogenation of alkynes catalyzed by in situ generated oxidizable copper nanoparticles. *Green Chemistry*, **2021**, 23, 5494-5502	10	4
222	Olefin Metathesis in Continuous Flow Reactor Employing Polar Ruthenium Catalyst and Soluble Metal Scavenger for Instant Purification of Products of Pharmaceutical Interest.. *ACS Sustainable Chemistry and Engineering*, **2021**, 9, 16450-16458	8.3	2
221	Preparation of macrocyclic musks via olefin metathesis: comparison with classical syntheses and recent advances. *Russian Chemical Reviews*, **2020**, 89, 469-490	6.8	7
220	The Influence of Various -Heterocyclic Carbene Ligands on Activity of Nitro-Activated Olefin Metathesis Catalysts. *Molecules*, **2020**, 25,	4.8	5
219	Preparation of Functionalized -Unsaturated Sulfonamides via Olefin Cross-Metathesis. *Organic Letters*, **2020**, 22, 4970-4973	6.2	2

218	In a Quest for Selectivity Paired with Activity: A Ruthenium Olefin Metathesis Catalyst Bearing an Unsymmetrical Phenanthrene-Based N-Heterocyclic Carbene. *Chemistry - A European Journal*, **2020**, 26, 3782-3794	4.8	7
217	Specialized Olefin Metathesis Catalysts Featuring Unsymmetrical N-Heterocyclic Carbene Ligands Bearing N-(Fluoren-9-yl) Arm. *Catalysts*, **2020**, 10, 599	4	2
216	Preparation of Ruthenium Olefin Metathesis Catalysts Immobilized on MOF, SBA-15, and 13X for Probing Heterogeneous Boomerang Effect. *Catalysts*, **2020**, 10, 438	4	6
215	Non-Glovebox Ethenolysis of Ethyl Oleate and FAME at Larger Scale Utilizing a Cyclic (Alkyl)(Amino)Carbene Ruthenium Catalyst. *European Journal of Lipid Science and Technology*, **2020**, 122, 1900263	3	19
214	Comprehensive Protocol for the Identification and Characterization of New Psychoactive Substances in the Service of Law Enforcement Agencies. *Frontiers in Chemistry*, **2020**, 8, 693	5	4
213	Large-Scale Synthesis of a Niche Olefin Metathesis Catalyst Bearing an Unsymmetrical N-Heterocyclic Carbene (NHC) Ligand and its Application in a Green Pharmaceutical Context. *Chemistry - A European Journal*, **2020**, 26, 15708-15717	4.8	4
212	4-Methyltetrahydropyran as a Convenient Alternative Solvent for Olefin Metathesis Reaction: Model Studies and Medicinal Chemistry Applications. *ACS Sustainable Chemistry and Engineering*, **2020**, 8, 18215-18223	8.3	6
211	Sterically Tuned -Heterocyclic Carbene Ligands for the Efficient Formation of Hindered Products in Ru-Catalyzed Olefin Metathesis. *ACS Catalysis*, **2020**, 10, 11394-11404	13.1	6
210	Durch Nitro- und andere elektronenziehende Gruppen aktivierte Ruthenium-Katalysatoren f□die Olefinmetathese. *Angewandte Chemie*, **2020**, 133, 13854	3.6	0
209	Making the family portrait complete: Synthesis of Electron Withdrawing Group activated Hoveyda-Grubbs catalysts bearing sulfone and ketone functionalities. *Journal of Organometallic Chemistry*, **2020**, 918, 121276	2.3	3
208	An isocyanide ligand for the rapid quenching and efficient removal of copper residues after Cu/TEMPO-catalyzed aerobic alcohol oxidation and atom transfer radical polymerization. *Chemical Science*, **2020**, 11, 4251-4262	9.4	13
207	Synthesis of Substituted □Functionalised Styrenes by Microwave-Assisted Olefin Cross-Metathesis and Scalable Synthesis of Apremilast. *ChemCatChem*, **2019**, 11, 5808-5813	5.2	9
206	2-Methyltetrahydrofuran as a Solvent of Choice for Spontaneous Metathesis/Isomerization Sequence. *ACS Omega*, **2019**, 4, 1831-1837	3.9	8
205	Anion Metathesis in Facile Preparation of Olefin Metathesis Catalysts Bearing a Quaternary Ammonium Chloride Tag. *Synlett*, **2019**, 30, 1981-1987	2.2	5
204	Semiheterogeneous Purification Protocol for the Removal of Ruthenium Impurities from Olefin Metathesis Reaction Products Using an Isocyanide Scavenger. *Organic Process Research and Development*, **2019**, 23, 836-844	3.9	19
203	Ethyl Lactate: A Green Solvent for Olefin Metathesis. *ChemSusChem*, **2019**, 12, 4655-4661	8.3	19
202	Noncovalent Immobilization of Cationic Ruthenium Complex in a Metal□Organic Framework by Ion Exchange Leading to a Heterogeneous Olefin Metathesis Catalyst for Use in Green Solvents. *Organometallics*, **2019**, 38, 3397-3405	3.8	16
201	A Gentler Touch: Synthesis of Modern Ruthenium Olefin Metathesis Catalysts Sustained by Mechanical Force. *ChemCatChem*, **2019**, 11, 5362-5369	5.2	11

200	Specialized Ruthenium Olefin Metathesis Catalysts Bearing Bulky Unsymmetrical NHC Ligands: Computations, Synthesis, and Application. *ACS Catalysis*, **2019**, 9, 587-598	13.1	30
199	Ruthenium-Catalysed Olefin Metathesis in Environmentally Friendly Solvents: 2-Methyltetrahydrofuran Revisited. *European Journal of Organic Chemistry*, **2019**, 2019, 640-646	3.2	13
198	Highly efficient and time economical purification of olefin metathesis products from metal residues using an isocyanide scavenger. *Green Chemistry*, **2018**, 20, 1280-1289	10	28
197	Azoliniums, Adducts, NHCs and Azomethine Ylides: Divergence in Wanzlick Equilibrium and Olefin Metathesis Catalyst Formation. *Chemistry - A European Journal*, **2018**, 24, 4785-4789	4.8	13
196	Unexpected formation of nitroso-chelated cyclic 1-acylruthenium(II) complex, an effective catalysts for transfer hydrogenation reaction. *Journal of Organometallic Chemistry*, **2018**, 867, 359-366	2.3	4
195	Gold(I)-Catalyzed Formation of Naphthalene/Acenaphthene Heterocyclic Acetals. *Organic Letters*, **2018**, 20, 954-957	6.2	8
194	A Selective and Functional Group-Tolerant Ruthenium-Catalyzed Olefin Metathesis/Transfer Hydrogenation Tandem Sequence Using Formic Acid as Hydrogen Source. *Journal of Organic Chemistry*, **2018**, 83, 2542-2553	4.2	19
193	Ruthenium Amide Complexes Synthesis and Catalytic Activity in Olefin Metathesis and in Ring-Opening Polymerisation. *European Journal of Inorganic Chemistry*, **2018**, 2018, 1766-1774	2.3	13
192	Boron–Boron, carbon–carbon and nitrogen–nitrogen bonding in N-heterocyclic carbenes and their diazaboryl and triazole analogues: Wanzlick equilibrium revisited. *New Journal of Chemistry*, **2018**, 42, 6183-6190	3.6	6
191	Sequential Alkene Isomerization and Ring-Closing Metathesis in Production of Macrocyclic Musks from Biomass. *Chemistry - A European Journal*, **2018**, 24, 10403-10408	4.8	15
190	An unexpected formation of a Ru(III) benzylidene complex during activation of a LatMet-type ring-opening polymerisation catalyst. *Journal of Catalysis*, **2018**, 364, 345-353	7.3	4
189	Modification of Polyhedral Oligomeric Silsesquioxanes (POSS) Molecules by Ruthenium Catalyzed Cross Metathesis. *Molecules*, **2018**, 23,	4.8	4
188	Preparation of Musk-Smelling Macrocyclic Lactones from Biomass: Looking for the Optimal Substrate Combination. *ChemSusChem*, **2018**, 11, 3157-3166	8.3	19
187	Ruthenium Olefin Metathesis Catalysts Systematically Modified in Chelating Benzylidene Ether Fragment: Experiment and Computations. *European Journal of Inorganic Chemistry*, **2018**, 2018, 3675-3685	2.3	8
186	Helicenes as Chirality-Inducing Groups in Transition-Metal Catalysis: The First Helically Chiral Olefin Metathesis Catalyst. *Chemistry - A European Journal*, **2018**, 24, 10994-10998	4.8	20
185	Formation of tetrasubstituted C–C double bonds via olefin metathesis: challenges, catalysts, and applications in natural product synthesis. *Organic Chemistry Frontiers*, **2018**, 5, 494-516	5.2	29
184	Well-Defined Chiral Copper NHC Complex in the Asymmetric Conjugated Borylation and One-Pot Metathesis-Asymmetric Borylation Reactions. *Chemistry - A European Journal*, **2018**, 24, 891-897	4.8	6
183	Looking for the Noncyclic(amino)(alkyl)carbene Ruthenium Catalyst for Ethenolysis of Ethyl Oleate: Selectivity Is on Target. *ACS Omega*, **2018**, 3, 18481-18488	3.9	21

182	In My Element: Ruthenium. *Chemistry - A European Journal*, **2018**, 25, 1606	4.8	
181	Ruthenium Complexes Bearing Thiophene-Based Unsymmetrical N-Heterocyclic Carbene Ligands as Selective Catalysts for Olefin Metathesis in Toluene and Environmentally Friendly 2-Methyltetrahydrofuran. *Chemistry - A European Journal*, **2018**, 24, 15372-15379	4.8	19
180	At Long Last: Olefin Metathesis Macrocyclization at High Concentration. *Journal of the American Chemical Society*, **2018**, 140, 8895-8901	16.4	45
179	Mild Functionalization of Tetraoxane Derivatives via Olefin Metathesis: Compatibility of Ruthenium Alkylidene Catalysts with Peroxides. *Organic Letters*, **2017**, 19, 520-523	6.2	15
178	Fishing for the right catalyst for the cross-metathesis reaction of methyl oleate with 2-methyl-2-butene. *Catalysis Science and Technology*, **2017**, 7, 1284-1296	5.5	19
177	A partially serendipitous discovery of thermo-switchable ruthenium olefin metathesis initiator that seem to be well suited for ROMP of monomers bearing vinyl pendant groups. *Journal of Organometallic Chemistry*, **2017**, 847, 146-153	2.3	9
176	Rational and Then Serendipitous Formation of Aza Analogues of Hoveyda-Type Catalysts Containing a Chelating Ester Group Leading to a Polymerization Catalyst Family. *ACS Catalysis*, **2017**, 7, 4115-4121	13.1	20
175	Ruthenium Catalysts Supported by Amino-Substituted N-Heterocyclic Carbene Ligands for Olefin Metathesis of Challenging Substrates. *Chemistry - A European Journal*, **2017**, 23, 1950-1955	4.8	16
174	Hoveyda□Grubbs-Type Precatalysts with Unsymmetrical N-Heterocyclic Carbenes as Effective Catalysts in Olefin Metathesis. *Organometallics*, **2017**, 36, 2153-2166	3.8	29
173	Faster initiating olefin metathesis catalysts from introducing double bonds into cyclopropyl, cyclobutyl and cyclopentyl derivatives of Hoveyda-Grubbs precatalysts. *Molecular Catalysis*, **2017**, 433, 313-320	3.3	8
172	Synthesis of Selectively Substituted or Deuterated Indenes via Sequential Pd and Ru Catalysis. *Journal of Organic Chemistry*, **2017**, 82, 4226-4234	4.2	20
171	Expanding the Family of Hoveyda□Grubbs Catalysts Containing Unsymmetrical NHC Ligands. *Organometallics*, **2017**, 36, 3692-3708	3.8	27
170	Hoveyda-Grubbs catalyst analogues bearing the derivatives of N-phenylpyrrol in the carbene ligand - structure, stability, activity and unique ruthenium-phenyl interactions. *Dalton Transactions*, **2017**, 46, 11790-11799	4.3	14
169	Metathesis **2017**, 1333-1364		
168	Forged and fashioned for faithfulness-ruthenium olefin metathesis catalysts bearing ammonium tags. *Chemical Communications*, **2017**, 54, 122-139	5.8	35
167	Hoveyda-Grubbs complexes with boryl anions are predicted to be fast metathesis catalysts. *Catalysis Communications*, **2016**, 86, 133-138	3.2	11
166	[email□protected]: Simple and Robust Immobilization of Olefin Metathesis Catalysts inside (Al)MIL-101-NH2. *ACS Catalysis*, **2016**, 6, 6343-6349	13.1	53
165	Sulfoxide-Chelated Ruthenium Benzylidene Catalyst: a Synthetic Study on the Utility of Olefin Metathesis. *ChemCatChem*, **2016**, 8, 2817-2823	5.2	16

164	E- and Z-Selective Transfer Semihydrogenation of Alkynes Catalyzed by Standard Ruthenium Olefin Metathesis Catalysts. *Organic Letters*, **2016**, 18, 6196-6199	6.2	51
163	Tandem Catalysis Utilizing Olefin Metathesis Reactions. *Chemistry - A European Journal*, **2016**, 22, 9440-54	5.8	47
162	Simple and Mild Synthesis of Indoles via Hydroamination Reaction Catalysed by NHC□Gold Complexes: Looking for Optimized Conditions. *Synlett*, **2016**, 27, 599-603	2.2	19
161	Effective immobilisation of a metathesis catalyst bearing an ammonium-tagged NHC ligand on various solid supports. *Beilstein Journal of Organic Chemistry*, **2016**, 12, 5-15	2.5	27
160	Tandem Catalysis Utilizing Olefin Metathesis Reactions. *Chemistry - A European Journal*, **2016**, 22, 9417-9487	5.8	1
159	Synthesis and catalytic activity of ruthenium indenylidene complexes bearing unsymmetrical NHC containing a heteroaromatic moiety. *RSC Advances*, **2016**, 6, 77013-77019	3.7	12
158	Conformational Flexibility of Hoveyda-Type and Grubbs-Type Complexes Bearing Acyclic Carbenes and Its Impact on Their Catalytic Properties. *Organometallics*, **2015**, 34, 563-570	3.8	21
157	Nitrenium ions and trivalent boron ligands as analogues of N-heterocyclic carbenes in olefin metathesis: a computational study. *Dalton Transactions*, **2015**, 44, 20021-6	4.3	14
156	Variation of the Sterical Properties of the N-Heterocyclic Carbene Coligand in Thermally Triggerable Ruthenium-Based Olefin Metathesis Precatalysts/Initiators. *Organometallics*, **2015**, 34, 5383-5392	3.8	21
155	In tandem or alone: a remarkably selective transfer hydrogenation of alkenes catalyzed by ruthenium olefin metathesis catalysts. *Organic and Biomolecular Chemistry*, **2015**, 13, 2684-8	3.9	22
154	High-Performance Isocyanide Scavengers for Use in Low-Waste Purification of Olefin Metathesis Products. *ChemSusChem*, **2015**, 8, 4099-4099	8.3	2
153	High-Performance Isocyanide Scavengers for Use in Low-Waste Purification of Olefin Metathesis Products. *ChemSusChem*, **2015**, 8, 4139-48	8.3	35
152	Progress in metathesis chemistry II. *Beilstein Journal of Organic Chemistry*, **2015**, 11, 1639-40	2.5	2
151	Initiation efficacy of halo-chelated cis-dichloro-configured ruthenium-based second-generation benzylidene complexes in ring-opening metathesis polymerization. *Monatshefte F□ Chemie*, **2015**, 146, 1153-1160	1.4	4
150	Cross Metathesis **2014**, 37-83		14
149	Olefin Metathesis Reactions: From a Historical Account to Recent Trends **2014**, 1-36		2
148	Ring-Closing Metathesis **2014**, 85-152		39
147	Domino and Other Olefin Metathesis Reaction Sequences **2014**, 187-232		14

128	Olefin Metathesis in Ionic Liquids **2014**, 547-558		2
127	Purification Strategies in Olefin Metathesis **2014**, 559-571		4
126	Section 6: Olefin Metathesis Catalysts: A Tabular Review **2014**, 573-585		1
125	Metathesis of renewable raw materials: influence of ligands in the indenylidene type catalysts on self-metathesis of methyl oleate and cross-metathesis of methyl oleate with (Z)-2-butene-1,4-diol diacetate. *Green Chemistry*, **2014**, 16, 1579	10	27
124	Towards "cleaner" olefin metathesis: tailoring the NHC ligand of second generation ruthenium catalysts to afford auxiliary traits. *Green Chemistry*, **2014**, 16, 4474-4492	10	57
123	5.26 Cross Metathesis **2014**, 1257-1301		10
122	Ene-Yne Metathesis **2014**, 153-185		7
121	Synthesis, Structure, and Catalytic Activity of New Ruthenium(II) Indenylidene Complexes Bearing Unsymmetrical N-Heterocyclic Carbenes. *Organometallics*, **2014**, 33, 2160-2171	3.8	38
120	2-Methyltetrahydrofuran: Sustainable solvent for ruthenium-catalyzed olefin metathesis. *Catalysis Communications*, **2014**, 44, 80-84	3.2	33
119	Outlook and Perspectives **2014**, 587-588		
118	Chelating ruthenium phenolate complexes: synthesis, general catalytic activity, and applications in olefin metathesis polymerization. *Chemistry - A European Journal*, **2014**, 20, 14120-5	4.8	31
117	Olefin Metathesis **2013**, 105-126		
116	Olefin Metathesis: From Academic Concepts to Commercial Catalysts **2013**, 163-214		7
115	Stable ruthenium indenylidene complexes with a sterically reduced NHC ligand. *Chemical Communications*, **2013**, 49, 3188-90	5.8	33
114	Ruthenium-based complexes containing a benzimidazolium tag covalently connected to N-heterocyclic carbene ligands: environmentally friendly catalysts for olefin metathesis transformations. *Dalton Transactions*, **2013**, 42, 7354-8	4.3	24
113	Ruthenium nitronate complexes as tunable catalysts for olefin metathesis and other transformations. *Chemical Communications*, **2013**, 49, 674-6	5.8	25
112	Batchwise and continuous nanofiltration of POSS-tagged Grubbs-Hoveyda-type olefin metathesis catalysts. *ChemSusChem*, **2013**, 6, 182-92	8.3	53
111	Synthesis of functionalised N-heterocyclic carbene ligands bearing a long spacer and their use in olefin metathesis. *Dalton Transactions*, **2013**, 42, 7463-7	4.3	22

110	3-Bromopyridine As a Sixth Ligand in Sulfoxide-Based Hoveyda Complexes: A Study on Catalytic Properties. *Organometallics*, **2013**, 32, 2192-2198	3.8	25
109	Testing the 1,1,3,3-tetramethyldisiloxane linker in olefin metathesis. *Comptes Rendus Chimie*, **2013**, 16, 566-572	2.7	2
108	Alkene Metathesis in Water **2013**, 291-336		18
107	Structural and Mechanistic Basis of the Fast Metathesis Initiation by a Six-Coordinated Ruthenium Catalyst. *Organometallics*, **2013**, 32, 3625-3630	3.8	35
106	Testing New Ruthenium Complexes bearing Chiral 1,2,4-Triazol-5-ylidene Ligands as Catalysts for Asymmetric Olefin Metathesis. *Synlett*, **2013**, 24, 1250-1254	2.2	12
105	Low Catalyst Loadings in Self-Metathesis of 1-Dodecene. *Advanced Synthesis and Catalysis*, **2013**, 355, 1997-2006	5.6	25
104	A New Tool in the Toolbox: Electron-Withdrawing Group Activated Ruthenium Catalysts for Olefin Metathesis. *Synlett*, **2013**, 24, 903-919	2.2	42
103	Olefin Metathesis Under Continuous Flow Mode. *Current Organic Chemistry*, **2013**, 17, 2740-2748	1.7	14
102	A new family of halogen-chelated Hoveyda-Grubbs-type metathesis catalysts. *Chemistry - A European Journal*, **2012**, 18, 14237-41	4.8	33
101	Easily removable olefin metathesis catalysts. *Green Chemistry*, **2012**, 14, 3264	10	54
100	New Ruthenium(II) Indenylidene Complexes Bearing Unsymmetrical N-Heterocyclic Carbenes. *Organometallics*, **2012**, 31, 7316-7319	3.8	36
99	Thermal Switchability of N-Chelating Hoveyda-type Catalyst Containing a Secondary Amine Ligand. *Organometallics*, **2012**, 31, 462-469	3.8	21
98	Catalytic and Structural Studies of Hoveyda Grubbs Type Pre-Catalysts Bearing Modified Ether Ligands. *Advanced Synthesis and Catalysis*, **2012**, 354, 2734-2742	5.6	13
97	Highly active catalysts for olefin metathesis in water. *Catalysis Science and Technology*, **2012**, 2, 2424	5.5	93
96	Synthesis of Stable Ruthenium Olefin Metathesis Catalysts with Mixed Anionic Ligands. *European Journal of Inorganic Chemistry*, **2012**, 2012, 1477-1484	2.3	14
95	Olefin Metathesis on a TLC Plate as a Tool for a High-Throughput Screening of Catalyst-Substrate Sets. *Advanced Synthesis and Catalysis*, **2012**, 354, 1043-1051	5.6	23
94	Ruthenium-amido complexes: synthesis, structure, and catalytic activity in olefin metathesis. *Chemistry - A European Journal*, **2012**, 18, 6465-9	4.8	24
93	Ruthenium metathesis catalyst bearing chelating carboxylate ligand immobilized on mesoporous molecular sieve SBA-15. *Catalysis Communications*, **2012**, 21, 42-45	3.2	22

92	Rational Design and Evaluation of Upgraded Grubbs/Hoveyda Olefin Metathesis Catalysts: Polyfunctional Benzylidene Ethers on the Test Bench. *Organometallics*, **2011**, 30, 4144-4158	3.8	56
91	Force field parametrization and molecular dynamics simulation of flexible POSS-linked (NHC; phosphine) Ru catalytic complexes. *Journal of Physical Chemistry A*, **2011**, 115, 12017-24	2.8	12
90	Ruthenium Olefin Metathesis Catalysts Containing Six-Membered Sulfone and Sulfonamide Chelating Rings. *Organometallics*, **2011**, 30, 1130-1138	3.8	35
89	Enhancement of ruthenium-catalyzed olefin metathesis reactions: Searching for new catalyst or new reaction conditions?. *Pure and Applied Chemistry*, **2011**, 83, 553-563	2.1	11
88	Unequal siblings: Adverse characteristics of naphtalene-based hoveyda-type second generation initiators in ring opening metathesis polymerization. *Journal of Polymer Science Part A*, **2011**, 49, 3448-3454	2.5	22
87	Microwave-Assisted Ruthenium-Catalysed Olefin Metathesis in Fluorinated Aromatic Hydrocarbons: A Beneficial Combination. *Advanced Synthesis and Catalysis*, **2011**, 353, 1993-2002	5.6	41
86	The doping effect of fluorinated aromatic solvents on the rate of ruthenium-catalysed olefin metathesis. *Chemistry - A European Journal*, **2011**, 17, 12981-93	4.8	74
85	Cross Metathesis of N-Allylamines and α,β-Unsaturated Carbonyl Compounds: A One-Pot Synthesis of Substituted Pyrroles. *Synlett*, **2011**, 2011, 124-128	2.2	5
84	Olefin metathesis reactions of sulfur containing alkenes and dienes. *Arkivoc*, **2011**, 2011, 71-81	0.9	3
83	Latent Thermo-Switchable Olefin Metathesis Initiators Bearing a Pyridyl-Functionalized Chelating Carbene: Influence of the Leaving Group's Rigidity on the Catalyst's Performance. *Organometallics*, **2010**, 29, 117-124	3.8	55
82	2-Substituted nitrones and isomeric hydroxylamines obtained via aluminium amalgam reduction of nitro nitriles and ketones: new access to convenient intermediates for nitroso carbonyl compounds preparation. *Tetrahedron*, **2010**, 66, 3608-3613	2.4	5
81	Studies on electronic effects in O-, N- and S-chelated ruthenium olefin-metathesis catalysts. *Chemistry - A European Journal*, **2010**, 16, 8726-37	4.8	78
80	Mechanistic insights into the cis-trans isomerization of ruthenium complexes relevant to catalysis of olefin metathesis. *Chemistry - A European Journal*, **2010**, 16, 14354-64	4.8	67
79	Ruthenium catalysts bearing chelating carboxylate ligands: application to metathesis reactions in water. *Tetrahedron*, **2010**, 66, 1051-1056	2.4	38
78	A convenient synthesis of deuterium labeled tertiary aliphatic nitro ketones and nitriles as starting materials for preparation of deuterated cyclic nitrones, isomeric hydroxylamines, and corresponding C-nitroso compounds. *Tetrahedron*, **2010**, 66, 3614-3622	2.4	1
77	The Influence of the Anionic Counter-Ion on the Activity of Ammonium Substituted Hoveyda-Type Olefin Metathesis Catalysts in Aqueous Media. *NATO Science for Peace and Security Series A: Chemistry and Biology*, **2010**, 49-56	0.1	2
76	Ruthenium Catalysts Bearing Carboxylate Ligand. *NATO Science for Peace and Security Series A: Chemistry and Biology*, **2010**, 57-69	0.1	1
75	Onium-tagged Ru complexes as universal catalysts for olefin metathesis reactions in various media. *Pure and Applied Chemistry*, **2009**, 81, 2001-2012	2.1	12

74	W□srige Olefinmetathese. *Angewandte Chemie*, **2009**, 121, 450-462	3.6	33
73	Aqueous olefin metathesis. *Angewandte Chemie - International Edition*, **2009**, 48, 442-54	16.4	182
72	X-Ray Photoelectron Spectroscopy and Reactivity Studies of a Series of Ruthenium Catalysts. *ChemCatChem*, **2009**, 1, 144-151	5.2	16
71	Ruthenium Olefin Metathesis Initiators Bearing Chelating Sulfoxide Ligands. *Organometallics*, **2009**, 28, 2693-2700	3.8	60
70	Ruthenium-based olefin metathesis catalysts bearing N-heterocyclic carbene ligands. *Chemical Reviews*, **2009**, 109, 3708-42	68.1	858
69	Design and Application of Latent Olefin Metathesis Catalysts Featuring S-Chelating Alkylidene Ligands. *NATO Science for Peace and Security Series A: Chemistry and Biology*, **2009**, 289-302	0.1	1
68	Ruthenium Catalysts Bearing O-Chelating Carboxylate Ligand: Potential Chemo-Switchable Romp Catalysts. *NATO Science for Peace and Security Series A: Chemistry and Biology*, **2009**, 279-288	0.1	
67	The doping effect of fluorinated aromatic hydrocarbon solvents on the performance of common olefin metathesis catalysts: application in the preparation of biologically active compounds. *Chemical Communications*, **2008**, 6282-4	5.8	88
66	Olefin cross-metathesis with vinyl halides. *Chemical Communications*, **2008**, 2468-70	5.8	47
65	Highly Active Ammonium-Tagged Olefin-Metathesis Catalyst for Simplified Purification. *Synlett*, **2008**, 2008, 2692-2696	2.2	24
64	Quest for the ideal olefin metathesis catalyst. *Pure and Applied Chemistry*, **2008**, 80, 31-43	2.1	42
63	Initiation at Snails Pace: Design and Applications of Latent Olefin Metathesis Catalysts Featuring Chelating Alkylidene Ligands. *Current Organic Chemistry*, **2008**, 12, 1631-1647	1.7	63
62	Homo- and heterogeneous Ru-based metathesis catalysts in cross-metathesis of 15-allylestrone□owards 17□hydroxysteroid dehydrogenase type 1 inhibitors. *Tetrahedron Letters* , **2008**, 49, 3019-3022	2	31
61	In an attempt to provide a user's guide to the galaxy of benzylidene, alkoxybenzylidene, and indenylidene ruthenium olefin metathesis catalysts. *Chemistry - A European Journal*, **2008**, 14, 806-18	4.8	208
60	Is the Hoveyda-Grubbs complex a vinylogous Fischer-type carbene? Aromaticity-controlled activity of ruthenium metathesis catalysts. *Chemistry - A European Journal*, **2008**, 14, 9330-7	4.8	55
59	A highly active aqueous olefin metathesis catalyst bearing a quaternary ammonium group. *ChemSusChem*, **2008**, 1, 103-9	8.3	83
58	The joy and challenge of small rings metathesis. *Angewandte Chemie - International Edition*, **2008**, 47, 5504-7	16.4	26
57	Die Metathese kleiner Ringe □ohnenswert und anspruchsvoll zugleich. *Angewandte Chemie*, **2008**, 120, 5586-5589	3.6	8

56	Olefin metathesis in water using acoustic emulsification. *Green Chemistry*, **2008**, 10, 271	10	68
55	Olefin metathesis in ionic liquids. *Chemical Society Reviews*, **2008**, 37, 2433-42	58.5	115
54	Solvent-dependent resonance Raman spectra of high-valent oxomolybdenum(V) tris[3,5-bis(trifluoromethyl)phenyl]corrolate. *Inorganic Chemistry*, **2007**, 46, 5616-24	5.1	25
53	Highly recoverable pyridinium-tagged Hoveyda-Grubbs pre-catalyst for olefin metathesis. Design of the boomerang ligand toward the optimal compromise between activity and reusability. *Chemical Communications*, **2007**, 3771-3	5.8	67
52	Sustainable concepts in olefin metathesis. *Angewandte Chemie - International Edition*, **2007**, 46, 6786-801	16.4	305
51	A dormant ruthenium catalyst bearing a chelating carboxylate ligand: in situ activation and application in metathesis reactions. *Angewandte Chemie - International Edition*, **2007**, 46, 7206-9	16.4	79
50	Nachhaltige Konzepte in der Olefinmetathese. *Angewandte Chemie*, **2007**, 119, 6906-6922	3.6	76
49	A Dormant Ruthenium Catalyst Bearing a Chelating Carboxylate Ligand: In Situ Activation and Application in Metathesis Reactions. *Angewandte Chemie*, **2007**, 119, 7344-7347	3.6	24
48	Probing of the Ligand Anatomy: Effects of the Chelating Alkoxy Ligand Modifications on the Structure and Catalytic Activity of Ruthenium Carbene Complexes. *Advanced Synthesis and Catalysis* , **2007**, 349, 193-203	5.6	75
47	Ruthenium quinoline and quinoxaline complexes: Thermally triggered initiators for ring opening metathesis polymerization. *Journal of Polymer Science Part A*, **2007**, 45, 3494-3500	2.5	64
46	A Practical Larger Scale Preparation of Second-Generation Hoveyda-Type Catalysts. *Organometallics*, **2007**, 26, 1096-1099	3.8	36
45	Greener Shade of Ruthenium: New Concepts of Activation, Immobilization, and Recovery of Ruthenium Catalysts For Green Olefin Metathesis. *NATO Science Series Series II, Mathematics, Physics and Chemistry*, **2007**, 167-183		
44	Phosphine-Free EWG-Activated Ruthenium Olefin Metathesis Catalysts. *NATO Science Series Series II, Mathematics, Physics and Chemistry*, **2007**, 111-124		
43	New tunable catalysts for olefin metathesis: Controlling the initiation through electronic factors. *Journal of Molecular Catalysis A*, **2006**, 254, 118-123		86
42	Homo- and Cross-Olefin Metathesis Coupling of Vinylphosphane Oxides and Electron-Poor Alkenes: Access to P-Stereogenic Dienophiles. *Advanced Synthesis and Catalysis*, **2006**, 348, 931-938	5.6	46
41	A new concept for the noncovalent binding of a ruthenium-based olefin metathesis catalyst to polymeric phases: preparation of a catalyst on Raschig rings. *Journal of the American Chemical Society*, **2006**, 128, 13261-7	16.4	135
40	A simple and practical phase-separation approach to the recycling of a homogeneous metathesis catalyst. *Chemical Communications*, **2006**, 841-3	5.8	41
39	Advanced fine-tuning of grubbs/hoveyda olefin metathesis catalysts: a further step toward an optimum balance between antinomic properties. *Journal of the American Chemical Society*, **2006**, 128, 13652-3	16.4	133

38	A highly selective synthesis of dialkenyl sulfones via cross-metathesis of divinyl sulfone. *Organic Letters*, **2006**, 8, 5689-92	6.2	19
37	A green catalyst for green chemistry: Synthesis and application of an olefin metathesis catalyst bearing a quaternary ammonium group. *Green Chemistry*, **2006**, 8, 685-688	10	140
36	Catalysts for new tasks: preparation and applications of tunable ruthenium catalysts for olefin metathesis. *Chemical Record*, **2006**, 6, 144-56	6.6	25
35	Synthetic and mechanistic studies on enyne metathesis: A catalyst influence. *Journal of Molecular Catalysis A*, **2006**, 257, 59-66		28
34	New air-stable ruthenium olefin metathesis precatalysts derived from bisphenol S. *Journal of Organometallic Chemistry*, **2006**, 691, 5289-5297	2.3	28
33	Activated pyridinium-tagged ruthenium complexes as efficient catalysts for ring-closing metathesis. *Journal of Organometallic Chemistry*, **2006**, 691, 5397-5405	2.3	69
32	Structure and Activity Peculiarities of Ruthenium Quinoline and Quinoxaline Complexes: Novel Metathesis Catalysts. *Organometallics*, **2006**, 25, 3599-3604	3.8	105
31	Olefin Metathesis Reactions **2005**, 169-180		5
30	Immobilisation of the Grubbs III Olefin Metathesis Catalyst with Polyvinyl Pyridine (PVP). *Synlett*, **2005**, 2005, 2948-2952	2.2	7
29	Nitro-substituted Hoveyda-Grubbs ruthenium carbenes: enhancement of catalyst activity through electronic activation. *Journal of the American Chemical Society*, **2004**, 126, 9318-25	16.4	420
28	Synthesis of Macrocyclic Carbonates with Musk Odor by Ring-Closing Olefin Metathesis. *European Journal of Organic Chemistry*, **2004**, 2004, 2053-2056	3.2	24
27	The simple synthesis of stable A 3 - and trans -A 2 B-molybdenum(V) corrolates. *Inorganic Chemistry Communication*, **2004**, 7, 871-875	3.1	15
26	Ortho- and para-substituted Hoveyda-Grubbs carbenes. An improved synthesis of highly efficient metathesis initiators. *Journal of Organic Chemistry*, **2004**, 69, 6894-6	4.2	69
25	A fine-tuned molybdenum hexacarbonyl/phenol initiator for alkyne metathesis. *Journal of Organic Chemistry*, **2004**, 69, 7748-51	4.2	57
24	A Good Bargain: An Inexpensive, Air-Stable Ruthenium Metathesis Catalyst Derived from □Asarone. *European Journal of Organic Chemistry*, **2003**, 2003, 963-966	3.2	77
23	Cross-metathesis reaction of vinyl sulfones and sulfoxides. *Tetrahedron*, **2003**, 59, 4525-4531	2.4	54
22	Synthesis of substituted p-stereogenic vinylphosphine oxides by olefin cross-metathesis. *Organic Letters*, **2003**, 5, 3217-20	6.2	53
21	A Highly Efficient Ruthenium Catalyst for Metathesis Reactions. *Angewandte Chemie*, **2002**, 114, 4210-4212	3.2	105

20	A highly efficient ruthenium catalyst for metathesis reactions. *Angewandte Chemie - International Edition*, **2002**, 41, 4038-40	16.4	353
19	A PS-DES immobilized ruthenium carbene: a robust and easily recyclable catalyst for olefin metathesis. *Tetrahedron Letters*, **2002**, 43, 9055-9059	2	87
18	An improved catalyst for ring-closing alkyne metathesis based on molybdenum hexacarbonyl/2-fluorophenol. *Organic Letters*, **2002**, 4, 3747-9	6.2	55
17	Highly selective cross-metathesis with phenyl vinyl sulphone using the second generation Grubbs catalyst. *Tetrahedron Letters*, **2001**, 42, 6425-6428	2	55
16	Concise total syntheses of epothilone A and C based on alkyne metathesis. *Chemical Communications*, **2001**, 1057-1059	5.8	82
15	Ringschlussmetathese von Alkinen: Anwendung auf die stereoselektive Totalsynthese von Prostaglandin-E2-1,15-Lacton. *Angewandte Chemie*, **2000**, 112, 1292-1294	3.6	30
14	Ring-Closing Alkyne Metathesis: Application to the Stereoselective Total Synthesis of Prostaglandin E(2)-1,15-Lactone This work was supported by the Deutsche Forschungsgemeinschaft (Leibniz program) and the Fonds der Chemischen Industrie. K.G. thanks the Alexander von Humboldt Foundation for a fellowship. *Angewandte Chemie - International*	16.4	529
13	Novel and Flexible Entries into Prostaglandins and Analogues Based on Ring Closing Alkyne Metathesis or Alkyne Cross Metathesis. *Journal of the American Chemical Society*, **2000**, 122, 11799-11805	16.4	112
12	Nitro group effects on the 1J(CC) couplings in nitroalkanes. *Magnetic Resonance in Chemistry*, **1998**, 36, 356-358	2.1	3
11	Nitrogen NMR shieldings of nitroalkanes as a structural and conformational probe. *Magnetic Resonance in Chemistry*, **1998**, 36, S85-S92	2.1	14
10	Convenient preparation of metals deposited on solid supports and their use in organic synthesis. *Tetrahedron*, **1998**, 54, 10827-10836	2.4	24
9	Preparation of Allylstannanes and Distannanes Using Zinc in Liquid Ammonia. *Synthetic Communications*, **1998**, 28, 2697-2702	1.7	7
8	Convenient Preparation of 'High-Surface Sodium' in Liquid Ammonia: use in the Acyloin Reaction. *Synlett*, **1997**, 1997, 267-268	2.2	7
7	Active metals prepared in liquid ammonia. Zinc and tin-promoted synthesis of hydroxyesters, homoallylic and homopropargylic alcohols. *Tetrahedron*, **1996**, 52, 9575-9580	2.4	6
6	A Mild and Simple Zinc-Promoted Barbier-Type Allylation of Aldehydes in Liquid Ammonia. *Synthetic Communications*, **1996**, 26, 2935-2940	1.7	5
5	Preparation of active zinc by reduction of zinc chloride with sodium in liquid ammonia and its use in the barbier reaction. *Tetrahedron Letters*, **1995**, 36, 9225-9226	2	5
4	Origin of [M + H]+ ions in electron impact mass spectra of tertiary nitrosonitriles. *Journal of Mass Spectrometry*, **1995**, 30, 1441-1446	2.2	4
3	Nitrogen NMR assessment of interactions between nitroso, cyano and acetyl groups across aliphatic systems. *Magnetic Resonance in Chemistry*, **1995**, 33, 674-678	2.1	4

2	Electron impact mass spectra of some tertiary aliphatic nitro compounds. Nitrocarbonyl compounds and some analogues. *Organic Mass Spectrometry*, **1992**, 27, 741-745	4
1	Alkene Cross-Metathesis Reactions1-1189	1