

# Robert Grubbs

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

750  
papers

79,516  
citations

135  
h-index

257  
g-index

918  
ext. papers

84,658  
ext. citations

10  
avg, IF

8.31  
L-index

#	Paper	IF	Citations
750	Bulky Cyclometalated Ruthenium Nitrates for Challenging Z-Selective Metathesis: Efficient One-Step Access to $\beta$ -Oxygenated Z-Olefins from Acrylates and Allyl Alcohols. <i>Angewandte Chemie - International Edition</i> , <b>2021</b> ,	16.4	1
749	Processing Effects on the Self-Assembly of Brush Block Polymer Photonic Crystals.. <i>ACS Macro Letters</i> , <b>2021</b> , 10, 1480-1486	6.6	1
748	Insights into the Nature of Self-Extinguishing External Donors for Ziegler-Natta Catalysis: A Combined Experimental and DFT Study. <i>ChemCatChem</i> , <b>2021</b> , 13, 674-681	5.2	3
747	Assessment of a Siloxane Poly(urethane-urea) Elastomer Designed for Implantable Heart Valve Leaflets. <i>Advanced NanoBiomed Research</i> , <b>2021</b> , 1, 2000032	0	7
746	Selective CO Electrochemical Reduction Enabled by a Tricomponent Copolymer Modifier on a Copper Surface. <i>Journal of the American Chemical Society</i> , <b>2021</b> , 143, 2857-2865	16.4	31
745	Catalysis-Enabled Concise and Stereoselective Total Synthesis of the Tricyclic Prostaglandin D2 Metabolite Methyl Ester. <i>Angewandte Chemie - International Edition</i> , <b>2021</b> ,	16.4	3
744	Aldehyde-Functionalized Magnetic Particles to Capture Off-Target Chemotherapeutic Agents. <i>ACS Omega</i> , <b>2020</b> , 5, 29121-29126	3.9	2
743	Ru-Catalyzed, $\beta$ -Selective Living Ring-Opening Metathesis Polymerization of Various Monomers, Including a Dendronized Macromonomer, and Implications to Enhanced Shear Stability. <i>Journal of the American Chemical Society</i> , <b>2020</b> , 142, 10438-10445	16.4	20
742	Aqueous electrocatalytic CO reduction using metal complexes dispersed in polymer ion gels. <i>Chemical Communications</i> , <b>2020</b> , 56, 4440-4443	5.8	7
741	Synthesis and Characterization of 3,5-Bis(di-tert-butylphosphinito)pyridine Pincer Complexes. <i>Organometallics</i> , <b>2020</b> , 39, 2479-2485	3.8	
740	Electronic Structures, Spectroscopy, and Electrochemistry of [M(diimine)(CN-BR)] (M = Fe, Ru; R = Ph, CF) Complexes. <i>Inorganic Chemistry</i> , <b>2020</b> , 59, 9594-9604	5.1	6
739	Addressing the challenges of modeling the scattering from bottlebrush polymers in solution. <i>Journal of Polymer Science</i> , <b>2020</b> , 58, 988	2.4	4
738	Synthesis and Activity of Six-Membered Cyclic Alkyl Amino CarbeneRuthenium Olefin Metathesis Catalysts. <i>Organometallics</i> , <b>2020</b> , 39, 495-499	3.8	12
737	Surgery-Guided Removal of Ovarian Cancer Using Up-Converting Nanoparticles. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2020</b> , 12, 48371-48379	9.5	2
736	Confinement and Processing Can Alter the Morphology and Periodicity of Bottlebrush Block Copolymers in Thin Films. <i>ACS Nano</i> , <b>2020</b> ,	16.7	8
735	Efficient $\beta$ -Selective Olefin-Acrylamide Cross-Metathesis Enabled by Sterically Demanding Cyclometalated Ruthenium Catalysts. <i>Journal of the American Chemical Society</i> , <b>2020</b> , 142, 20987-20993	16.4	18
734	The Concentration Dependence of the Size and Symmetry of a Bottlebrush Polymer in a Good Solvent. <i>Macromolecules</i> , <b>2020</b> , 53, 7132-7140	5.5	5

733	An Efficient Synthesis of Geminal-Dialkyl Dienes for Olefin Metathesis Polymerization. <i>Macromolecules</i> , <b>2020</b> , 53, 7803-7809	5.5	3
732	Living Polymerization Caught in the Act: Direct Observation of an Arrested Intermediate in Metathesis Polymerization. <i>Journal of the American Chemical Society</i> , <b>2019</b> , 141, 10039-10047	16.4	21
731	Linear Rheology of a Series of Second-Generation Dendronized Wedge Polymers. <i>Macromolecules</i> , <b>2019</b> , 52, 2063-2074	5.5	20
730	Living $\pi$ -selective cyclopolymerization using Ru dithiolate catalysts. <i>Chemical Science</i> , <b>2019</b> , 10, 8955-8963	9.4	9
729	Examining the Effects of Monomer and Catalyst Structure on the Mechanism of Ruthenium-Catalyzed Ring-Opening Metathesis Polymerization. <i>Journal of the American Chemical Society</i> , <b>2019</b> , 141, 17796-17808	16.4	32
728	Tuning the formal potential of ferrocyanide over a 2.1V range. <i>Chemical Science</i> , <b>2019</b> , 10, 3623-3626	9.4	16
727	Fluoride-ion solvation in non-aqueous electrolyte solutions. <i>Materials Chemistry Frontiers</i> , <b>2019</b> , 3, 2721-2727	2.7	5
726	Enantioselective Synthesis of 15-Deoxy- $\Delta^1$ -Prostaglandin J. <i>Organic Letters</i> , <b>2019</b> , 21, 10139-10142	6.2	11
725	The synthesis of cyclic polymers by olefin metathesis: Achievements and challenges. <i>Journal of Polymer Science Part A</i> , <b>2019</b> , 57, 228-242	2.5	24
724	Concise Syntheses of $\Delta^1$ -Prostaglandin J Natural Products via Stereoretentive Metathesis. <i>Journal of the American Chemical Society</i> , <b>2019</b> , 141, 154-158	16.4	26
723	Experimental Formulation of Photonic Crystal Properties for Hierarchically Self-Assembled POSS-Bottlebrush Block Copolymers. <i>Macromolecules</i> , <b>2018</b> , 51, 3458-3466	5.5	58
722	Disentangling Ligand Effects on Metathesis Catalyst Activity: Experimental and Computational Studies of Ruthenium-Aminophosphine Complexes. <i>Journal of the American Chemical Society</i> , <b>2018</b> , 140, 5634-5643	16.4	13
721	An Initiation Kinetics Prediction Model Enables Rational Design of Ruthenium Olefin Metathesis Catalysts Bearing Modified Chelating Benzylidenes. <i>ACS Catalysis</i> , <b>2018</b> , 8, 4600-4611	13.1	20
720	Consequences of Grafting Density on the Linear Viscoelastic Behavior of Graft Polymers. <i>ACS Macro Letters</i> , <b>2018</b> , 7, 525-530	6.6	67
719	Ronald Breslow (1931-2017). <i>Angewandte Chemie</i> , <b>2018</b> , 130, 37-37	3.6	
718	Precise Synthesis of Bottlebrush Block Copolymers from $\Delta^1$ -End-Norbornyl Polystyrene and Poly(4-tert-butoxystyrene) via Living Anionic Polymerization and Ring-Opening Metathesis Polymerization. <i>Macromolecules</i> , <b>2018</b> , 51, 447-455	5.5	42
717	Recent advances in ruthenium-based olefin metathesis. <i>Chemical Society Reviews</i> , <b>2018</b> , 47, 4510-4544	58.5	308
716	Using stereoretention for the synthesis of $\beta$ -macrocycles with ruthenium-based olefin metathesis catalysts. <i>Chemical Science</i> , <b>2018</b> , 9, 3580-3583	9.4	14

715	Metathesis and Decomposition of Fischer Carbenes of Cyclometalated Z-Selective Ruthenium Metathesis Catalysts. <i>Organometallics</i> , <b>2018</b> , 37, 2212-2216	3.8	11
714	Drug capture materials based on genomic DNA-functionalized magnetic nanoparticles. <i>Nature Communications</i> , <b>2018</b> , 9, 2870	17.4	20
713	Toward Perfect Regiocontrol for $\beta$ -Selective Cyclopolymerization Using a Ru-Based Olefin Metathesis Catalyst. <i>Macromolecules</i> , <b>2018</b> , 51, 4564-4571	5.5	22
712	Self-Assembly of ABC Bottlebrush Triblock Terpolymers with Evidence for Looped Backbone Conformations. <i>Macromolecules</i> , <b>2018</b> , 51,	5.5	2
711	Ronald Breslow (1931-2017). <i>Angewandte Chemie - International Edition</i> , <b>2018</b> , 57, 37	16.4	1
710	Highly Active Platinum Catalysts for Nitrile and Cyanohydrin Hydration: Catalyst Design and Ligand Screening via High-Throughput Techniques. <i>Journal of the American Chemical Society</i> , <b>2018</b> , 140, 17782-17789	16.4	31
709	Room-temperature cycling of metal fluoride electrodes: Liquid electrolytes for high-energy fluoride ion cells. <i>Science</i> , <b>2018</b> , 362, 1144-1148	33.3	106
708	Self-Assembly of ABC Bottlebrush Triblock Terpolymers with Evidence for Looped Backbone Conformations. <i>Macromolecules</i> , <b>2018</b> , 51, 7178-7185	5.5	30
707	Fast-Initiating, Ruthenium-based Catalysts for Improved Activity in Highly E-Selective Cross Metathesis. <i>Journal of the American Chemical Society</i> , <b>2017</b> , 139, 1532-1537	16.4	45
706	Control of Grafting Density and Distribution in Graft Polymers by Living Ring-Opening Metathesis Copolymerization. <i>Journal of the American Chemical Society</i> , <b>2017</b> , 139, 3896-3903	16.4	106
705	A potassium tert-butoxide and hydrosilane system for ultra-deep desulfurization of fuels. <i>Nature Energy</i> , <b>2017</b> , 2,	62.3	39
704	Functionalized 3D Architected Materials via Thiol-Michael Addition and Two-Photon Lithography. <i>Advanced Materials</i> , <b>2017</b> , 29, 1605293	24	52
703	Potassium tert-Butoxide-Catalyzed Dehydrogenative C-H Silylation of Heteroaromatics: A Combined Experimental and Computational Mechanistic Study. <i>Journal of the American Chemical Society</i> , <b>2017</b> , 139, 6867-6879	16.4	122
702	Ionic and Neutral Mechanisms for C-H Bond Silylation of Aromatic Heterocycles Catalyzed by Potassium tert-Butoxide. <i>Journal of the American Chemical Society</i> , <b>2017</b> , 139, 6880-6887	16.4	89
701	Application of Bottlebrush Block Copolymers as Photonic Crystals. <i>Macromolecular Rapid Communications</i> , <b>2017</b> , 38, 1700058	4.8	137
700	A Highly Efficient Synthesis of Z-Macrocycles Using Stereoretentive, Ruthenium-Based Metathesis Catalysts. <i>Angewandte Chemie - International Edition</i> , <b>2017</b> , 56, 11213-11216	16.4	28
699	Manipulating the ABCs of self-assembly via low- $\beta$ -block polymer design. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2017</b> , 114, 6462-6467	11.5	43
698	Stereoretentive Olefin Metathesis: An Avenue to Kinetic Selectivity. <i>Angewandte Chemie - International Edition</i> , <b>2017</b> , 56, 11024-11036	16.4	53

697	Alkali Metal-Hydroxide-Catalyzed C(sp)-H Bond silylation. <i>Journal of the American Chemical Society</i> , <b>2017</b> , 139, 1668-1674	16.4	60
696	Effects of Grafting Density on Block Polymer Self-Assembly: From Linear to Bottlebrush. <i>ACS Nano</i> , <b>2017</b> , 11, 11632-11641	16.7	72
695	Electrochemistry in ionic liquids: Case study of a manganese corrole. <i>Russian Journal of Electrochemistry</i> , <b>2017</b> , 53, 1189-1193	1.2	4
694	Catalytic Reduction of Alkyl and Aryl Bromides Using Propan-2-ol. <i>Angewandte Chemie - International Edition</i> , <b>2017</b> , 56, 15123-15126	16.4	32
693	Synthesis and Evaluation of Sterically Demanding Ruthenium Dithiolate Catalysts for Stereoretentive Olefin Metathesis. <i>Organometallics</i> , <b>2017</b> , 36, 3940-3953	3.8	9
692	Ruthenium Olefin Metathesis Catalysts Featuring a Labile Carbodicarbene Ligand. <i>Organometallics</i> , <b>2017</b> , 36, 4091-4094	3.8	20
691	Recent Advancements in Stereoselective Olefin Metathesis Using Ruthenium Catalysts. <i>Catalysts</i> , <b>2017</b> , 7, 87	4	70
690	Origins of the Stereoretentive Mechanism of Olefin Metathesis with Ru-Dithiolate Catalysts. <i>Journal of Organic Chemistry</i> , <b>2017</b> , 82, 10595-10600	4.2	17
689	50th Anniversary Perspective: Living Polymerization Emphasizing the Molecule in Macromolecules. <i>Macromolecules</i> , <b>2017</b> , 50, 6979-6997	5.5	203
688	Stereoretentive Olefinmetathese: ein Weg zur kinetischen Selektivität. <i>Angewandte Chemie</i> , <b>2017</b> , 129, 11168-11181	3.6	14
687	Catalytic Reduction of Alkyl and Aryl Bromides Using Propan-2-ol. <i>Angewandte Chemie</i> , <b>2017</b> , 129, 15319-15326	3.6	14
686	Design, Synthesis, and Self-Assembly of Polymers with Tailored Graft Distributions. <i>Journal of the American Chemical Society</i> , <b>2017</b> , 139, 17683-17693	16.4	79
685	A Highly Efficient Synthesis of Z-Macrocycles Using Stereoretentive, Ruthenium-Based Metathesis Catalysts. <i>Angewandte Chemie</i> , <b>2017</b> , 129, 11365-11368	3.6	6
684	Electrocatalysis of CO <sub>2</sub> Reduction in Brush Polymer Ion Gels. <i>Journal of the American Chemical Society</i> , <b>2016</b> , 138, 11160-3	16.4	17
683	Sodium Hydroxide Catalyzed Dehydrocoupling of Alcohols with Hydrosilanes. <i>Organic Letters</i> , <b>2016</b> , 18, 5776-5779	6.2	48
682	Palladium-Catalyzed Aerobic Intramolecular Aminoacetoxylation of Alkenes Enabled by Catalytic Nitrate. <i>Organic Letters</i> , <b>2016</b> , 18, 5449-5451	6.2	22
681	Brush polymer ion gels. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , <b>2016</b> , 54, 292-300	2.6	22
680	Cationic ruthenium alkylidene catalysts bearing phosphine ligands. <i>Dalton Transactions</i> , <b>2016</b> , 45, 3627-3633	4.3	6

679	High Trans Kinetic Selectivity in Ruthenium-Based Olefin Cross-Metathesis through Stereoretention. <i>Organic Letters</i> , <b>2016</b> , 18, 772-5	6.2	54
678	Probing Stereoselectivity in Ring-Opening Metathesis Polymerization Mediated by Cyclometalated Ruthenium-Based Catalysts: A Combined Experimental and Computational Study. <i>Journal of the American Chemical Society</i> , <b>2016</b> , 138, 1394-405	16.4	31
677	Synthesis and Ring-Opening Metathesis Polymerization of Second-Generation Dendronized Poly(ether) Monomers Initiated by Ruthenium Carbenes. <i>Oil and Gas Science and Technology</i> , <b>2016</b> , 71, 18	1.9	2
676	A Ruthenium Catalyst for Olefin Metathesis Featuring an Anti-Bredt N-Heterocyclic Carbene Ligand. <i>Advanced Synthesis and Catalysis</i> , <b>2016</b> , 358, 965-969	5.6	7
675	Direct Access to $\beta$ -Fluorinated Aldehydes by Nitrite-Modified Wacker Oxidation. <i>Angewandte Chemie</i> , <b>2016</b> , 128, 8575-8579	3.6	2
674	Direct Access to $\beta$ -Fluorinated Aldehydes by Nitrite-Modified Wacker Oxidation. <i>Angewandte Chemie - International Edition</i> , <b>2016</b> , 55, 8435-9	16.4	12
673	In Situ Catalyst Modification in Atom Transfer Radical Reactions with Ruthenium Benzylidene Complexes. <i>Journal of the American Chemical Society</i> , <b>2016</b> , 138, 7171-7	16.4	13
672	Cellular uptake and anticancer activity of carboxylated gallium corroles. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2016</b> , 113, E2258-66	11.5	40
671	Synthesis of Polypentenamer and Poly(Vinyl Alcohol) with a Phase-Separable Polyisobutylene-Supported Second-Generation Hoveyda-Grubbs Catalyst. <i>ChemCatChem</i> , <b>2016</b> , 8, 228-233	5.2	18
670	Tandem Olefin Metathesis/Oxidative Cyclization: Synthesis of Tetrahydrofuran Diols from Simple Olefins. <i>Journal of the American Chemical Society</i> , <b>2016</b> , 138, 6372-5	16.4	22
669	Catalyst Structure and Cis/Trans Selectivity in Ruthenium-based Olefin Metathesis <b>2016</b> , 15-45		
668	Catalytic Anti-Markovnikov Transformations of Hindered Terminal Alkenes Enabled by Aldehyde-Selective Wacker-Type Oxidation. <i>Journal of the American Chemical Society</i> , <b>2016</b> , 138, 13179-13182	16.4	41
667	Z-Selective Cross-Metathesis and Homodimerization of 3E-1,3-Dienes: Reaction Optimization, Computational Analysis, and Synthetic Applications. <i>Journal of the American Chemical Society</i> , <b>2016</b> , 138, 14039-14046	16.4	32
666	Synthesis and catalytic activity of supported acenaphthoimidazolylidene N-heterocyclic carbene ruthenium complex for ring closing metathesis (RCM) and ring opening metathesis polymerization (ROMP). <i>Journal of Catalysis</i> , <b>2016</b> , 344, 100-107	7.3	16
665	Cyclic alkyl amino carbene (CAAC) ruthenium complexes as remarkably active catalysts for ethenolysis. <i>Angewandte Chemie - International Edition</i> , <b>2015</b> , 54, 1919-23	16.4	139
664	ABA Triblock Brush Polymers: Synthesis, Self-Assembly, Conductivity, and Rheological Properties. <i>Macromolecules</i> , <b>2015</b> , 48, 4967-4973	5.5	112
663	Multiple Olefin Metathesis Polymerization That Combines All Three Olefin Metathesis Transformations: Ring-Opening, Ring-Closing, and Cross Metathesis. <i>Journal of the American Chemical Society</i> , <b>2015</b> , 137, 9262-5	16.4	49
662	Synthesis of substituted dihydrobenzofurans via tandem S(N)Ar/5-exo-trig cyclization. <i>Organic Letters</i> , <b>2015</b> , 17, 1986-9	6.2	8

661	Tandem Z-Selective Cross-Metathesis/Dihydroxylation: Synthesis of anti-1,2-Diols. <i>Angewandte Chemie - International Edition</i> , <b>2015</b> , 54, 7134-8	16.4	20
660	Origins of initiation rate differences in ruthenium olefin metathesis catalysts containing chelating benzylidenes. <i>Journal of the American Chemical Society</i> , <b>2015</b> , 137, 5782-92	16.4	68
659	Z-selective cross metathesis with ruthenium catalysts: synthetic applications and mechanistic implications. <i>Angewandte Chemie - International Edition</i> , <b>2015</b> , 54, 5018-24	16.4	127
658	Diastereocontrol in Olefin Metathesis: the Development of Z-Selective Ruthenium Catalysts <b>2015</b> , 71-85		1
657	High-Oxidation State Molybdenum and Tungsten Complexes Relevant to Olefin Metathesis <b>2015</b> , 1-32		5
656	General Ring-Closing Metathesis <b>2015</b> , 1-170		7
655	An S(N)Ar approach to sterically hindered ortho-alkoxybenzaldehydes for the synthesis of olefin metathesis catalysts. <i>Journal of Organic Chemistry</i> , <b>2015</b> , 80, 4213-20	4.2	25
654	The linear rheological responses of wedge-type polymers. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , <b>2015</b> , 53, 899-906	2.6	16
653	Control of Oligomerization and Oxidation Steps in the Synthesis of Tris(pentafluorophenyl)corrole. <i>European Journal of Organic Chemistry</i> , <b>2015</b> , 2015, 3022-3025	3.2	10
652	Polymerization of Substituted Acetylenes <b>2015</b> , 375-390		4
651	Biorenewable Polymers <b>2015</b> , 357-374		
650	Index, Volume 1: Catalyst Development and Mechanism <b>2015</b> , 417-423		
649	ADMET Polymerization <b>2015</b> , 313-355		8
648	Latent Ruthenium Catalysts for Ring Opening Metathesis Polymerization (ROMP) <b>2015</b> , 283-312		4
647	Olefin Metathesis: Commercial Applications and Future Opportunities <b>2015</b> , 699-726		5
646	Functional Supports and Materials <b>2015</b> , 253-281		
645	Metathesis Strategies in Diversity-Oriented Synthesis <b>2015</b> , 659-697		1
644	Self-Healing Polymers <b>2015</b> , 229-252		0



643	Ring-Closing Metathesis in the Large-Scale Synthesis of Pharmaceuticals <b>2015</b> , 633-658	17
642	Metathesis of Silicon-Containing Olefins <b>2015</b> , 583-631	
641	Combination of Olefin Metathesis Polymerization with Click Chemistry <b>2015</b> , 207-227	1
640	Biologically Active Polymers <b>2015</b> , 169-205	1
639	Two Vignettes: RCM in Natural Product Total Synthesis <b>2015</b> , 563-582	1
638	Synthesis of Biodegradable Copolymers <b>2015</b> , 149-167	
637	Synthesis of Nanoparticles <b>2015</b> , 115-148	
636	Catalyst-Controlled Stereoselective Olefin Metathesis <b>2015</b> , 503-562	11
635	Synthesis of Materials with Nanostructured Periodicity <b>2015</b> , 93-113	1
634	Supramolecular Polymers <b>2015</b> , 71-92	
633	Alkyne Metathesis <b>2015</b> , 445-501	1
632	Telechelic Polymers <b>2015</b> , 44-70	1
631	ROMP in Dispersed Media <b>2015</b> , 25-44	1
630	Synthesis of Homopolymers and Copolymers <b>2015</b> , 1-23	2
629	Metathesis Product Purification <b>2015</b> , 379-388	
628	Solvent and Additive Effects on Olefin Metathesis <b>2015</b> , 343-377	2
627	Enyne Metathesis <b>2015</b> , 381-444	4
626	Cross-Metathesis <b>2015</b> , 171-294	8



625	Vignette: Extending the Application of Metathesis in Chemical Biology □The Development of Site-Selective Peptide and Protein Modifications <b>2015</b> , 295-309		3
624	Degenerate Metathesis <b>2015</b> , 305-322		0
623	Ruthenium-Catalyzed Tandem Metathesis/Non-Metathesis Processes <b>2015</b> , 311-380		3
622	Mechanisms of Olefin Metathesis Catalyst Decomposition and Methods of Catalyst Reactivation <b>2015</b> , 323-342		18
621	Factors Affecting Initiation Rates <b>2015</b> , 273-303		2
620	Intermediates in Olefin Metathesis <b>2015</b> , 253-272		
619	Computational Studies of Ruthenium-Catalyzed Olefin Metathesis <b>2015</b> , 199-252		8
618	Insights from Computational Studies on d0 Metal-Catalyzed Alkene and Alkyne Metathesis and Related Reactions <b>2015</b> , 159-197		2
617	Ruthenium Olefin Metathesis Catalysts Supported by Cyclic Alkyl Aminocarbenes (CAACs) <b>2015</b> , 87-95		2
616	Supported Catalysts and Nontraditional Reaction Media <b>2015</b> , 97-158		1
615	Alkane Metathesis <b>2015</b> , 33-70		6
614	Ruthenium Indenylidene Catalysts for Alkene Metathesis <b>2015</b> , 389-416		4
613	Catalytic C-H bond silylation of aromatic heterocycles. <i>Nature Protocols</i> , <b>2015</b> , 10, 1897-903	18.8	44
612	Stereoselective synthesis of macrocyclic peptides via a dual olefin metathesis and ethenolysis approach. <i>Chemical Science</i> , <b>2015</b> , 6, 4561-4569	9-4	32
611	Targeted microbubbles: a novel application for the treatment of kidney stones. <i>BJU International</i> , <b>2015</b> , 116, 9-16	5.6	16
610	Index, Volume 3: Polymer Synthesis <b>2015</b> , 391-403		
609	Index, Volume 2: Applications in Organic Synthesis <b>2015</b> , 727-743		
608	Palladium-Catalyzed Decarbonylative Dehydration for the Synthesis of $\beta$ -Vinyl Carbonyl Compounds and Total Synthesis of (±)Aspewentins A, B, and C. <i>Angewandte Chemie</i> , <b>2015</b> , 127, 11966-11969	3.6	7

607	Z-Selektive Kreuzmetathese mit Ruthenium-Katalysatoren: Anwendung in der Synthese und mechanistische Aspekte. <i>Angewandte Chemie</i> , <b>2015</b> , 127, 5104-5110	3.6	20
606	Tandem Z-Selective Cross-Metathesis/Dihydroxylation: Synthesis of anti-1,2-Diols. <i>Angewandte Chemie</i> , <b>2015</b> , 127, 7240-7244	3.6	4
605	Palladium-Catalyzed Decarbonylative Dehydration for the Synthesis of $\beta$ -Vinyl Carbonyl Compounds and Total Synthesis of (-)-Aspewentins A, B, and C. <i>Angewandte Chemie - International Edition</i> , <b>2015</b> , 54, 11800-3	16.4	38
604	An in vitro enzymatic assay to measure transcription inhibition by gallium(III) and H <sub>3</sub> 5,10,15-tris(pentafluorophenyl)corroles. <i>Journal of Visualized Experiments</i> , <b>2015</b> ,	1.6	1
603	Thermomechanical Behavior and Local Dynamics of Dendronized Block Copolymers and Constituent Homopolymers. <i>Macromolecules</i> , <b>2015</b> , 48, 4142-4150	5.5	11
602	Cyclometalated Z-Selective Ruthenium Metathesis Catalysts with Modified N-Chelating Groups. <i>Organometallics</i> , <b>2015</b> , 34, 2858-2869	3.8	37
601	Cyclic Alkyl Amino Carbene (CAAC) Ruthenium Complexes as Remarkably Active Catalysts for Ethenolysis. <i>Angewandte Chemie</i> , <b>2015</b> , 127, 1939-1943	3.6	38
600	Silylation of C-H bonds in aromatic heterocycles by an Earth-abundant metal catalyst. <i>Nature</i> , <b>2015</b> , 518, 80-4	50.4	282
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592	Catalyst-controlled Wacker-type oxidation: facile access to functionalized aldehydes. <i>Journal of the American Chemical Society</i> , <b>2014</b> , 136, 890-3	16.4	85
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579	Discussion Addendum for: Ring-closing Metathesis Synthesis of N-Boc-3-pyrroline <b>2014</b> , 170-182		2
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