# Johan M Winne

List of Publications by Year
in descending order



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|---|---|---|---|
| 68 papers | 6,079 citations | 172386<br>29 h-index | 106281<br>65 g-index |
| 79 all docs | 79 docs citations | 79 times ranked | 3624 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Vitrimers: permanent organic networks with glass-like fluidity. Chemical Science, 2016, 7, 30-38. | 3.7 | 1,115 |
| 2 | Vinylogous Urethane Vitrimers. Advanced Functional Materials, 2015, 25, 2451-2457. | 7.8 | 763 |
| 3 | Dynamic covalent chemistry in polymer networks: a mechanistic perspective. Polymer Chemistry, 2019, 10, 6091-6108. | 1.9 | 399 |
| 4 | Chemical control of the viscoelastic properties of vinylogous urethane vitrimers. Nature Communications, 2017, 8, 14857. | 5.8 | 365 |
| 5 | Vitrimers: directing chemical reactivity to control material properties. Chemical Science, 2020, 11, 4855-4870. | 3.7 | 312 |
| 6 | Triazolinediones enable ultrafast and reversible click chemistry for the design of dynamic polymer systems. Nature Chemistry, 2014, 6, 815-821. | 6.6 | 285 |
| 7 | Poly(thioether) Vitrimers via Transalkylation of Trialkylsulfonium Salts. ACS Macro Letters, 2017, 6, 930-934. | 2.3 | 207 |
| 8 | Fluorinated Vitrimer Elastomers with a Dual Temperature Response. Journal of the American Chemical Society, 2018, 140, 13272-13284. | 6.6 | 181 |
| 9 | Internal Catalysis in Covalent Adaptable Networks: Phthalate Monoester Transesterification As a Versatile Dynamic Cross-Linking Chemistry. Journal of the American Chemical Society, 2019, 141, 15277-15287. | 6.6 | 172 |
| 10 | Vinylogous Urea Vitrimers and Their Application in Fiber Reinforced Composites. Macromolecules, 2018, 51, 2054-2064. | 2.2 | 170 |
| 11 | Triazolinediones as Highly Enabling Synthetic Tools. Chemical Reviews, 2016, 116, 3919-3974. | 23.0 | 160 |
| 12 | Fast processing of highly crosslinked, low-viscosity vitrimers. Materials Horizons, 2020, 7, 104-110. | 6.4 | 152 |
| 13 | Polydimethylsiloxane quenchable vitrimers. Polymer Chemistry, 2017, 8, 6590-6593. | 1.9 | 136 |
| 14 | Internal catalysis for dynamic covalent chemistry applications and polymer science. Chemical Society Reviews, 2020, 49, 8425-8438. | 18.7 | 128 |
| 15 | V-ATPase activity in the TGN/EE is required for exocytosis and recycling in Arabidopsis. Nature Plants, 2015, 1, 15094. | 4.7 | 127 |
| 16 | Covalent Adaptable Networks with Tunable Exchange Rates Based on Reversible Thiolâ€"yne Crossâ€Linking. Angewandte Chemie - International Edition, 2020, 59, 3609-3617. | 7.2 | 118 |
| 17 | Mitochondrial uncouplers inhibit clathrin-mediated endocytosis largely through cytoplasmic acidification. Nature Communications, 2016, 7, 11710. | 5.8 | 98 |
| 18 | Dynamic Curing Agents for Amine-Hardened Epoxy Vitrimers with Short (Re)processing Times. Macromolecules, 2020, 53, 2485-2495. | 2.2 | 92 |

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|---|---|---|---|
| 19 | Disruption of endocytosis through chemical inhibition of clathrin heavy chain function. Nature Chemical Biology, 2019, 15, 641-649. | 3.9 | 86 |
| 20 | Influence of the polymer matrix on the viscoelastic behaviour of vitrimers. Polymer Chemistry, 2020, 11, 5377-5385. | 1.9 | 73 |
| 21 | Scope and Mechanism of the (4+3) Cycloaddition Reaction of Furfuryl Cations. Angewandte Chemie - International Edition, 2011, 50, 11990-11993. | 7.2 | 65 |
| 22 | Filler reinforced polydimethylsiloxane-based vitrimers. Polymer, 2019, 172, 239-246. | 1.8 | 59 |
| 23 | Suppressing Creep and Promoting Fast Reprocessing of Vitrimers with Reversibly Trapped Amines. Angewandte Chemie - International Edition, 2022, 61, e202113872. | 7.2 | 54 |
| 24 | Reprocessing of Covalent Adaptable Polyamide Networks through Internal Catalysis and Ring-Size Effects. Journal of the American Chemical Society, 2021, 143, 15834-15844. | 6.6 | 52 |
| 25 | An intramolecular [4+3]-cycloaddition approach to rameswaralide inspired by biosynthesis speculation. Tetrahedron Letters, 2009, 50, 7310-7313. | 0.7 | 48 |
| 26 | Design of a thermally controlled sequence of triazolinedione-based click and transclick reactions. Chemical Science, 2017, 8, 3098-3108. | 3.7 | 45 |
| 27 | From plant oils to plant foils: Straightforward functionalization and crosslinking of natural plant oils with triazolinediones. European Polymer Journal, 2015, 65, 286-297. | 2.6 | 44 |
| 28 | Total Synthesis of (+/â˘’)â€Frondosinâ€…B and (+/â˘’)â€5â€<i>epi</i>â€Liphagal by Using a Concise (4+3) Cycloaddition Approach. Chemistry - A European Journal, 2014, 20, 253-262. | 1.7 | 40 |
| 29 | Double neighbouring group participation for ultrafast exchange in phthalate monoester networks. Polymer Chemistry, 2020, 11, 5207-5215. | 1.9 | 39 |
| 30 | Exploiting furan's versatile reactivity in reversible and irreversible orthogonal peptide labeling. Chemical Communications, 2013, 49, 2927. | 2.2 | 31 |
| 31 | Micellar Paclitaxel-Initiated RAFT Polymer Conjugates with Acid-Sensitive Behavior. ACS Macro Letters, 2017, 6, 272-276. | 2.3 | 29 |
| 32 | Polyaddition Synthesis Using Alkyne Esters for the Design of Vinylogous Urethane Vitrimers. Macromolecules, 2021, 54, 7931-7942. | 2.2 | 29 |
| 33 | A concise total synthesis of (Â±)-anthecularin. Organic and Biomolecular Chemistry, 2009, 7, 639-640. | 1.5 | 28 |
| 34 | Tunable Blocking Agents for Temperature-Controlled Triazolinedione-Based Cross-Linking Reactions. Macromolecules, 2018, 51, 3156-3164. | 2.2 | 26 |
| 35 | Covalent Fluorination Strategies for the Surface Modification of Polydienes. Macromolecular Rapid Communications, 2017, 38, 1700122. | 2.0 | 25 |
| 36 | Masked Primary Amines for a Controlled Plastic Flow of Vitrimers. ACS Macro Letters, 2022, 11, 919-924. | 2.3 | 22 |

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|---|---|---|---|
| 37 | A synthetic approach to C-nor-D-homosteroids based on a cascade of radical cyclisations from a vinylcyclopropane-substituted acyl radical precursor. Tetrahedron, 2009, 65, 5767-5775. | 1.0 | 20 |
| 38 | Covalent Adaptable Networks with Tunable Exchange Rates Based on Reversible Thiolâ€“yne Crossâ€Linking. Angewandte Chemie, 2020, 132, 3637-3646. | 1.6 | 19 |
| 39 | The Elusive Seven-Membered Cyclic Imino Ether Tetrahydrooxazepine. Journal of the American Chemical Society, 2018, 140, 17404-17408. | 6.6 | 18 |
| 40 | A strategy towards the synthesis of plumarellide based on biosynthesis speculation, featuring a transannular 4+2 type cyclisation from a cembranoid furanoxonium ion intermediate. Tetrahedron, 2014, 70, 7229-7240. | 1.0 | 17 |
| 41 | Stereoselective Gold(I)â€Catalyzed Vinylcyclopropanation via Generation of a Sulfurâ€Substituted Vinyl Carbene Equivalent. Angewandte Chemie - International Edition, 2021, 60, 4070-4074. | 7.2 | 17 |
| 42 | (5,6â€Dihydroâ€1,4â€dithiinâ€2â€yl)methanol as a Versatile Allylâ€Cation Equivalent in (3+2) Cycloaddition Reactions. Angewandte Chemie - International Edition, 2016, 55, 13254-13258. | 7.2 | 16 |
| 43 | Nonselective Chemical Inhibition of Sec7 Domain-Containing ARF GTPase Exchange Factors. Plant Cell, 2018, 30, 2573-2593. | 3.1 | 16 |
| 44 | Mechanistical Insights into the Bioconjugation Reaction of Triazolinediones with Tyrosine. Journal of Organic Chemistry, 2018, 83, 10248-10260. | 1.7 | 15 |
| 45 | Synthetic studies towards oxygenated and unsaturated furanocembranoid macrocycles. Precursors to plumarellide, rameswaralide and mandapamates. Tetrahedron Letters, 2010, 51, 5044-5047. | 0.7 | 14 |
| 46 | Application of theB-Alkyl Suzukiâ^'Miyaura Cross-Coupling Reaction to the Stereoselective Synthesis of Analogues of (3S)-Oxidosqualene. Organic Letters, 2006, 8, 4815-4818. | 2.4 | 13 |
| 47 | Possibility of [1,5] Sigmatropic Shifts in Bicyclo[4.2.0]octa-2,4-dienes. Journal of Organic Chemistry, 2015, 80, 2609-2620. | 1.7 | 13 |
| 48 | A Threeâ€Step Synthesis of the Guaianolide Ring System. European Journal of Organic Chemistry, 2014, 2014, 3097-3100. | 1.2 | 11 |
| 49 | Triazolinedione protein modification: from an overlooked off-target effect to a tryptophan-based bioconjugation strategy. Chemical Science, 2022, 13, 5390-5397. | 3.7 | 11 |
| 50 | Stereoselective and Modular Assembly Method for Heterocycleâ€Fused Daucane Sesquiterpenoids. Chemistry - A European Journal, 2018, 24, 13783-13787. | 1.7 | 10 |
| 51 | An Approach to exo-Enol Ether - Cyclic Ketal Structures Found in Marine Cembranoids, Based on Silver-Assisted Cyclisations of Enynone Precursors. Synlett, 2012, 23, 723-726. | 1.0 | 8 |
| 52 | Synthesis of 2â€Ethylâ€19â€<i>nor</i> Analogs of 1Î±,25â€Dihydroxyvitamin D<sub>3</sub>. European Journal of Organic Chemistry, 2013, 2013, 728-735. | 1.2 | 7 |
| 53 | Heterocycles as Moderators of Allyl Cation Cycloaddition Reactivity. Synlett, 2017, 28, 2345-2352. | 1.0 | 7 |
| 54 | Suppressing Creep and Promoting Fast Reprocessing of Vitrimers with Reversibly Trapped Amines. Angewandte Chemie, 0, , . | 1.6 | 7 |

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|---|---|---|---|
| 55 | Dearomative (3 + 2) Cycloadditions of Unprotected Indoles. Organic Letters, 2022, 24, 4119-4123. | 2.4 | 6 |
| 56 | A Rapid and Stereocontrolled Synthesis of the Zizaane Ring System by Using an Intramolecular (4+3) Cycloaddition Reaction. Synlett, 2015, 26, 467-470. | 1.0 | 5 |
| 57 | (5,6â€Dihydroâ€1,4â€dithiinâ€2â€yl)methanol as a Versatile Allylâ€Cation Equivalent in (3+2) Cycloaddition Reactions. Angewandte Chemie, 2016, 128, 13448-13452. | 1.6 | 5 |
| 58 | An Intramolecular Cycloaddition Approach to the Kauranoid Family of Diterpene Metabolites. Organic Letters, 2019, 21, 310-314. | 2.4 | 5 |
| 59 | Stereodivergent Synthesis of Biologically Active Spironucleoside Scaffolds via Catalytic Cyclopropanation of 4-exo-Methylene Furanosides. Journal of Organic Chemistry, 2021, 86, 17344-17361. | 1.7 | 5 |
| 60 | Regio- and Stereoselective Synthesis of C-4â€² Spirocyclobutyl Ribofuranose Scaffolds and Their Use as Biologically Active Nucleoside Analogues. Organic Letters, 2021, 23, 8828-8833. | 2.4 | 5 |
| 61 | Nonenzymic polycyclisation of analogues of oxidosqualene with a preformed C-ring. Organic and Biomolecular Chemistry, 2008, 6, 1918. | 1.5 | 3 |
| 62 | Stereoselective Gold(I)â€Catalyzed Vinylcyclopropanation via Generation of a Sulfurâ€Substituted Vinyl Carbene Equivalent. Angewandte Chemie, 2021, 133, 4116-4120. | 1.6 | 2 |
| 63 | Synthetic Protocol for AFCS: A Biologically Active Fluorescent Castasterone Analog Conjugated to an Alexa Fluor 647 Dye. Methods in Molecular Biology, 2017, 1564, 9-21. | 0.4 | 2 |
| 64 | Synthesis of Cyclopropyl Pinacol Boronic Esters from DibromoÂcyclopropanes. Synlett, 0, 33, . | 1.0 | 2 |
| 65 | RÃ¼cktitelbild: Scope and Mechanism of the (4+3) Cycloaddition Reaction of Furfuryl Cations (Angew.) Tj ETQq1 1 0.784314 rgBT /Ove | 1.6 | 0 |
| 66 | Back Cover: Scope and Mechanism of the (4+3) Cycloaddition Reaction of Furfuryl Cations (Angew.) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5 | 7.2 | 0 |
| 67 | Synthetic biomolecules: from blind watchmakers to synthetic biologists. Current Opinion in Chemical Biology, 2019, 52, A3-A5. | 2.8 | 0 |
| 68 | Exploiting Furanâ€™s Versatile Reactivity in Reversible and Irreversible Orthogonal Peptide Labeling. , 2013, , . | | 0 |