# Jonathan Clayden — Publications (to Dec 2026)

*333. Transmission of autonomous redox-driven directional bond rotation through a molecular gear*
Theo H. N. Bulless, Michael G. Howlett, Nicholas T. O'Donoghue, William Terry-Wright, Matej Zabka, Simon J. Charnock, James D. Finnigan, Basile F. E. Curchod, Michael J. Tilby, Beatrice S. L. Collins, and Jonathan Clayden
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*332. The Mechanism of Visible-Light Photochemical Rearrangements of Conjugated Amide Enolates*
James Mortimer, William Terry-Wright, Basile F. E. Curchod, and Jonathan Clayden
*Chem. Eur. J.* 2026, **32**, e71427

*331. Enantioselective lithiation of N-benzyl ureas with a chiral lithium amide: dicyclopropylmethyl (Dcpm) as an organolithium-resistant nitrogen protecting group*
Maria Schwarz and Jonathan Clayden
*Org. Lett.* 2026, **28**, 8425–8429

*330. Hydrogen Bonding within Dynamic 19F-Tagged Oligothiourea Foldamers in Solution and in Membranes*
Lucia Trevisan, Kathryn S. Foster and Jonathan Clayden
*J. Am. Chem. Soc.* 2026, **148**, 26171–26183

*329. Monooxygenase Activity of Indoleamine 2,3-Dioxygenase*
Ali Lubis, Anna Bailey, Marko Hanzevacki, Christopher Williams, Mehul Jesani, Lola González-Sánchez, Christopher Arthur, Hannah Wilson, Andrea Gallio, Peter Moody, Matthew Crump, Adrian Mulholland, Allen M. Orville, Jonathan Clayden, Emma Raven
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*328. De novo designed 3-helix bundle peptides and proteins with controlled topology and stability*
Xiyue Leng, Katherine I. Albanese, Lia R. Golub, Arthur A. Norman, Jonathan Clayden, and Derek N. Woolfson
*Chem. Sci.* 2025, **16**, 18632-18641

*327. Redox-powered autonomous directional C–C bond rotation under enzyme control*
Jordan Berreur, Olivia F. B. Watts, Theo H. N. Bulless, Nicholas T. O'Donoghue, Ashley J. Winter, Jonathan Clayden, and Beatrice S. L. Collins
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*326. Asymmetric Intramolecular alpha-Arylation of Polar Amino Acids Bearing beta Leaving Groups*
Ömer Taşpınar, Daniel J. Leonard, Nathan Picois, Cornelia Göcke, Matej Žabka, Hazel A. Sparkes, and Jonathan Clayden
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*325. Using Colour to Control Conformation in a Chemical System Containing Multiple Tricyanofuran Photoacids*
Matthew M. Wootten, Sofja Tshepelevitsh, Ivo Leito and Jonathan Clayden
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*324. Intramolecular Nucleophilic Vinylic Substitution ($S_NV$) by Carbon Nucleophiles: Conformationally Directed Formation of Dienes from N,N'-Diallyl Ureas*
Branca C. van Veen and Jonathan Clayden
*Chem. Eur. J.* 2024, e202402352.

*323. Selective defluorination of trifluoromethyl substituents by conformationally induced remote substitution*
Mehul H. Jesani, Maria Schwarz, Shiwhu Kim, Finlay L. Evans, Alexander White, Alex Browning, Roman Abrams and Jonathan Clayden
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*322. Benzo-fused Nitrogen Heterocycles by Asymmetric Ring Expansion and Stereochemically Retentive Re-contraction of Cyclic Ureas*
Rajendra K. Mallick, Matej Žabka, and Jonathan Clayden
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*321. Anion-Dependent Hydrogen-Bond Polarity Switching in Ethylene-bridged Urea Oligomers*
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*320. Dynamic and Persistent Cyclochirality in Hydrogen-Bonded Derivatives of Medium-Ring Triamines*
David T. J. Morris, Steven M. Wales, Javier Echavarren, Matej Žabka, Giulia Marsico, John W. Ward, Natalie E. Pridmore and Jonathan Clayden
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*319. Electrochemical Synthesis of Biaryls by Reductive Extrusion from N,N'-Diarylureas*
Ellie Stammers, Chris D. Parsons, Alastair J. J. Lennox, and Jonathan Clayden
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Matej Žabka and Jonathan Clayden
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*317. Interrogating the configurational stability of atropisomers*
Jean-Paul Heeb, Jonathan Clayden, Martin D. Smith, Roly J. Armstrong
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*316. Switching imidazole reactivity by dynamic control of tautomer state in an allosteric foldamer*
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*309. A Chemically Fuelled Molecular Automaton Displaying Programmed Migration of $Zn^{2+}$ Between Alternative Binding Sites*
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