

# Yann Trolez

## List of Publications by Year in descending order

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43  
papers

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471061

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#	ARTICLE	IF	CITATIONS
1	Quadruple Functionalization of a Tetraphenylethylene Aromatic Scaffold with Ynamides or Tetracyanobutadienes: Synthesis and Optical Properties. <i>European Journal of Organic Chemistry</i> , 2022, ,	1.2	7
2	Synthesis and Photophysical Properties of 1,1,4,4-Tetracyanobutadienes Derived from Ynamides Bearing Fluorophores**. <i>Chemistry - A European Journal</i> , 2022, 28, .	1.7	10
3	1,1,4,4-Tetracyanobutadiene-Functionalized Anthracenes: Regioselectivity of Cycloadditions in the Synthesis of Small Near-IR Dyes. <i>Organic Letters</i> , 2021, 23, 2007-2012.	2.4	30
4	Catalytic Alkyne and Diyne Metathesis with Mixed Fluoroalkoxy-Siloxy Molybdenum Alkylidyne Complexes. <i>Organometallics</i> , 2021, 40, 2008-2015.	1.1	10
5	Two-photon absorption properties of multipolar triarylamino/tosylamido 1,1,4,4-tetracyanobutadienes. <i>Physical Chemistry Chemical Physics</i> , 2021, 23, 22283-22297.	1.3	11
6	Synthesis, characterization and unusual near-infrared luminescence of 1,1,4,4-tetracyanobutadiene derivatives. <i>Chemical Communications</i> , 2020, 56, 3571-3574.	2.2	44
7	Expedient synthesis of conjugated triynes via alkyne metathesis. <i>Chemical Science</i> , 2020, 11, 4934-4938.	3.7	8
8	Synthesis and Reactivity of 5-Bromopenta-2,4-diyne nitrile (BrC <sub>5</sub> N): an Access to Conjugated Scaffolds. <i>Helvetica Chimica Acta</i> , 2019, 102, e1800232.	1.0	7
9	Enhancement of Push-Pull Properties of Pentafulvene and Pentafulvalene Derivatives by Protonation at Carbon. <i>European Journal of Organic Chemistry</i> , 2018, 2018, 739-749.	1.2	7
10	Unconventional Synthesis of a Cu <sup>I</sup> Rotaxane with a Superacceptor Stopper: Ultrafast Excited-State Dynamics and Near-Infrared Luminescence. <i>Chemistry - A European Journal</i> , 2018, 24, 10422-10433.	1.7	9
11	The Domino Hexadehydro-Diels-Alder Reaction: An Elegant Way toward Polyacenes. <i>CheM</i> , 2018, 4, 2272-2274.	5.8	0
12	NHC-Based Iron Sensitizers for DSSCs. <i>Inorganics</i> , 2018, 6, 63.	1.2	76
13	Helicenes Grafted with 1,1,4,4-Tetracyanobutadiene Moieties: Helical Push-Pull Systems with Strong Electronic Circular Dichroism and Two-Photon Absorption. <i>Chemistry - A European Journal</i> , 2018, 24, 14484-14494.	1.7	27
14	Reactivity of Functionalized Ynamides with Tetracyanoethylene: Scope, Limitations and Optoelectronic Properties of the Adducts. <i>Chemistry - an Asian Journal</i> , 2017, 12, 1338-1346.	1.7	23
15	One-step synthesis of conjugated enynenitriles from bromocynoacetylene. <i>Organic and Biomolecular Chemistry</i> , 2017, 15, 6050-6056.	1.5	4
16	Linear Optical and Third-Order Nonlinear Optical Properties of Some Fluorenyl- and Triarylamino-Containing Tetracyanobutadiene Derivatives. <i>Chemistry - A European Journal</i> , 2016, 22, 10155-10167.	1.7	35
17	Gas-Phase Infrared Spectroscopy of Substituted Cyanobutadiynes: Roles of the Bromine Atom and Methyl Group as Substituents. <i>ChemPhysChem</i> , 2016, 17, 1018-1024.	1.0	8
18	Synthesis, Chemistry, and Photochemistry of Methylcyanobutadiyne in the Context of Space Science. <i>Journal of Organic Chemistry</i> , 2016, 81, 3560-3567.	1.7	10

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19	Infrared and Raman Spectroscopy of Methylcyanodiacetylene (CH <sub>3</sub> C <sub>5</sub> N). ChemPhysChem, 2016, 17, 3047-3054.	1.0	5
20	Low-Temperature Reactivity of C <sub>2</sub> N <sup>+</sup> Anions with Polar Molecules. Journal of Physical Chemistry Letters, 2016, 7, 2957-2961.	2.1	12
21	Straightforward Synthesis of 5-Bromopenta-2,4-diyne nitrile and Its Reactivity Towards Terminal Alkynes: A Direct Access to Diene and Benzofulvene Scaffolds. Chemistry - A European Journal, 2015, 21, 6042-6047.	1.7	21
22	New reactivity of 6,6-bis-donor-substituted pentafulvenes: one-step synthesis of highly substituted [3]cumulene and dihydropentalene. Tetrahedron, 2015, 71, 4393-4399.	1.0	13
23	Synthesis of conjugated multi-ynamides by copper-catalyzed reactions. Tetrahedron Letters, 2015, 56, 4627-4630.	0.7	9
24	Cu(I)/Zn <sup>2+</sup> exchange has no geometrical effect in a cyclic [4]rotaxane whereas it induces rearrangement in a simpler [3]rotaxane. Inorganica Chimica Acta, 2014, 417, 186-191.	1.2	4
25	Cyclic [4]Rotaxanes Containing Two Parallel Porphyrinic Plates: Toward Switchable Molecular Receptors and Compressors. Accounts of Chemical Research, 2014, 47, 633-645.	7.6	96
26	High-Yield Formation of Substituted Tetracyanobutadienes from Reaction of Ynamides with Tetracyanoethylene. Chemistry - A European Journal, 2014, 20, 9553-9557.	1.7	48
27	Rotational spectrum of 4-methylcyanoallene (CH <sub>3</sub> CH=C=CH-CN), a chiral molecule of potential astrochemical interest. Astronomy and Astrophysics, 2014, 564, A82.	2.1	2
28	Use of Cleavable Coordinating Rings as Protective Groups in the Synthesis of a Rotaxane with an Axis that Incorporates More Chelating Groups Than Threaded Macrocycles. Chemistry - A European Journal, 2013, 19, 12815-12823.	1.7	11
29	Methylcyanobutadiyne: Synthesis, X-ray Structure and Photochemistry; Towards an Explanation of Its Formation in the Interstellar Medium. Chemistry - A European Journal, 2013, 19, 17683-17686.	1.7	12
30	NIR emission of cyclic [4]rotaxanes containing $\pi$ -extended porphyrin chromophores. Physical Chemistry Chemical Physics, 2012, 14, 10589.	1.3	6
31	Copper(I)-Assembled [3]Rotaxane Whose Two Rings Act as Flapping Wings. Journal of the American Chemical Society, 2012, 134, 1802-1809.	6.6	81
32	Synthesis of [2]-, [3]-, and [4]rotaxanes whose axis contains two bidentate and two tridentate chelates. New Journal of Chemistry, 2011, 35, 2009.	1.4	10
33	Formation of copper(I)-templated [2]rotaxanes using "click" methodology: influence of the base, the thread and the catalyst. Journal of Inclusion Phenomena and Macrocyclic Chemistry, 2011, 71, 507-515.	1.6	8
34	Intercalation of Tetrathiafulvalene between the Two Plates of a Copper(I)-Complexed [4]Rotaxane. European Journal of Organic Chemistry, 2011, 2011, 2413-2416.	1.2	13
35	Synthesis of [5]Rotaxanes Containing Bi- and Tridentate Coordination Sites in the Axis. Chemistry - A European Journal, 2011, 17, 947-957.	1.7	35
36	A Cyclic [4]rotaxane that Behaves as a Switchable Molecular Receptor: Formation of a Rigid Scaffold from a Collapsed Structure by Complexation with Copper(I) Ions. Angewandte Chemie - International Edition, 2010, 49, 10172-10175.	7.2	46

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37	Templated Synthesis of Cyclic [4]Rotaxanes Consisting of Two Stiff Rods Threaded through Two Bis-macrocycles with a Large and Rigid Central Plate as Spacer. <i>Journal of the American Chemical Society</i> , 2010, 132, 6840-6850.	6.6	76
38	Quantitative formation of [4]pseudorotaxanes from two rods and two bis-macrocycles incorporating porphyrinic plates between the rings. <i>Chemical Communications</i> , 2009, , 1706.	2.2	19
39	[3]Rotaxanes and [3]pseudorotaxanes with a rigid two-bidentate chelate axle threaded through two coordinating rings. <i>New Journal of Chemistry</i> , 2009, 33, 2148.	1.4	27
40	Synthesis, chemistry and photochemistry of cyanobutadiyne (HCCCCCN). <i>Advances in Space Research</i> , 2008, 42, 2002-2007.	1.2	4
41	Infrared band intensities of cyanobutadiyne (HC5N) between 400 and 4000cm <sup>-1</sup> . <i>Journal of Molecular Spectroscopy</i> , 2007, 245, 109-114.	0.4	19
42	Synthesis and Characterization of 2,4-Pentadienenitrile – A Key Compound in Space Science. <i>Angewandte Chemie - International Edition</i> , 2005, 44, 7224-7226.	7.2	36
43	Passerini and Ugi Reactions Involving Kinetically Unstable Isocyanides. <i>European Journal of Organic Chemistry</i> , 0, , .	1.2	3