Yann Trolez

List of Publications by Year
in descending order

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43 papers	958 citations	471061 17 h-index	454577 30 g-index
50 all docs	50 docs citations	50 times ranked	1065 citing authors

#	Article	IF	Citations
1	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
2	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
3	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. Journal of the American Chemical Society, 2010, 132, 6840-6850.	6.6	76
4	NHC-Based Iron Sensitizers for DSSCs. Inorganics, 2018, 6, 63.	1.2	76
5	Highâ€Yield Formation of Substituted Tetracyanobutadienes from Reaction of Ynamides with Tetracyanoethylene. Chemistry - A European Journal, 2014, 20, 9553-9557.	1.7	48
6	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
7	Synthesis, characterization and unusual near-infrared luminescence of 1,1,4,4-tetracyanobutadiene derivatives. Chemical Communications, 2020, 56, 3571-3574.	2.2	44
8	Synthesis and Characterization of 2,4-Pentadiynenitrileâ€”A Key Compound in Space Science. Angewandte Chemie - International Edition, 2005, 44, 7224-7226.	7.2	36
9	Synthesis of [5]Rotaxanes Containing Biâ€•and Tridentate Coordination Sites in the Axis. Chemistry - A European Journal, 2011, 17, 947-957.	1.7	35
10	Linear Optical and Thirdâ€Order Nonlinear Optical Properties of Some Fluorenylâ€•and Triarylamineâ€Containing Tetracyanobutadiene Derivatives. Chemistry - A European Journal, 2016, 22, 10155-10167.	1.7	35
11	1,1,4,4-Tetracyanobutadiene-Functionalized Anthracenes: Regioselectivity of Cycloadditions in the Synthesis of Small Near-IR Dyes. Organic Letters, 2021, 23, 2007-2012.	2.4	30
12	[3]Rotaxanes and [3]pseudorotaxanes with a rigid two-bidentate chelate axle threaded through two coordinating rings. New Journal of Chemistry, 2009, 33, 2148.	1.4	27
13	Helicenes Grafted with 1,1,4,4â€Tetracyanobutadiene Moieties: Ïâ€Helical Pushâ€“Pull Systems with Strong Electronic Circular Dichroism and Twoâ€Photon Absorption. Chemistry - A European Journal, 2018, 24, 14484-14494.	1.7	27
14	Reactivity of Functionalized Ynamides with Tetracyanoethylene: Scope, Limitations and Optoelectronic Properties of the Adducts. Chemistry - an Asian Journal, 2017, 12, 1338-1346.	1.7	23
15	Straightforward Synthesis of 5â€Bromopentaâ€2,4â€diynenitrile 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
16	Infrared band intensities of cyanobutadiyne (HC5N) between 400 and 4000cmâ^'1. Journal of Molecular Spectroscopy, 2007, 245, 109-114.	0.4	19
17	Quantitative formation of [4]pseudorotaxanes from two rods and two bis-macrocycles incorporating porphyrinic plates between the rings. Chemical Communications, 2009, , 1706.	2.2	19
18	Intercalation of Tetrathiafulvalene between the Two Plates of a Copper(I)â€Complexed [4]Rotaxane. European Journal of Organic Chemistry, 2011, 2011, 2413-2416.	1.2	13

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19	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
20	Methylcyanobutadiyne: Synthesis, Xâ€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
21	Low-Temperature Reactivity of C_{2n+1}N^{â€“} Anions with Polar Molecules. Journal of Physical Chemistry Letters, 2016, 7, 2957-2961.	2.1	12
22	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
23	Two-photon absorption properties of multipolar triarylamino/tosylamido 1,1,4,4-tetracyanobutadienes. Physical Chemistry Chemical Physics, 2021, 23, 22283-22297.	1.3	11
24	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
25	Synthesis, Chemistry, and Photochemistry of Methylcyanobutadiyne in the Context of Space Science. Journal of Organic Chemistry, 2016, 81, 3560-3567.	1.7	10
26	Catalytic Alkyne and Diyne Metathesis with Mixed Fluoroalkoxy-Siloxy Molybdenum Alkylidyne Complexes. Organometallics, 2021, 40, 2008-2015.	1.1	10
27	Synthesis and Photophysical Properties of 1,1,4,4â€Tetracyanobutadienes Derived from Ynamides Bearing Fluorophores**. Chemistry - A European Journal, 2022, 28, .	1.7	10
28	Synthesis of conjugated multi-ynamides by copper-catalyzed reactions. Tetrahedron Letters, 2015, 56, 4627-4630.	0.7	9
29	Unconventional Synthesis of a Cu^I Rotaxane with a Superacceptor Stopper: Ultrafast Excitedâ€State Dynamics and Nearâ€Infrared Luminescence. Chemistry - A European Journal, 2018, 24, 10422-10433.	1.7	9
30	Formation of copper(I)-templated [2]rotaxanes using â€œclickâ€•methodology: influence of the base, the thread and the catalyst. Journal of Inclusion Phenomena and Macrocyclic Chemistry, 2011, 71, 507-515.	1.6	8
31	Gasâ€Phase Infrared Spectroscopy of Substituted Cyanobutadiynes: Roles of the Bromine Atom and Methyl Group as Substituents. ChemPhysChem, 2016, 17, 1018-1024.	1.0	8
32	Expedient synthesis of conjugated triynes via alkyne metathesis. Chemical Science, 2020, 11, 4934-4938.	3.7	8
33	Enhancement of Pushâ€“Pull Properties of Pentafulvene and Pentafulvalene Derivatives by Protonation at Carbon. European Journal of Organic Chemistry, 2018, 2018, 739-749.	1.2	7
34	Synthesis and Reactivity of 5â€Bromopentaâ€2,4â€diynenitrile (BrC₅N): an Access to Ï€â€Conjugated Scaffolds. Helvetica Chimica Acta, 2019, 102, e1800232.	1.0	7
35	Quadruple Functionalization of a Tetraphenylethylene Aromatic Scaffold with Ynamides or Tetracyanobutadienes: Synthesis and Optical Properties. European Journal of Organic Chemistry, 2022, 2022, .	1.2	7
36	NIR emission of cyclic [4]rotaxanes containing Ï€-extended porphyrin chromophores. Physical Chemistry Chemical Physics, 2012, 14, 10589.	1.3	6

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37	Infrared and Raman Spectroscopy of Methylcyanodiacetylene (CH₃C₅N). ChemPhysChem, 2016, 17, 3047-3054.	1.0	5
38	Synthesis, chemistry and photochemistry of cyanobutadiyne (HCCCCCN). Advances in Space Research, 2008, 42, 2002-2007.	1.2	4
39	Cu(I)/Zn2+ 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
40	One-step synthesis of conjugated enynenitriles from bromocyanoacetylene. Organic and Biomolecular Chemistry, 2017, 15, 6050-6056.	1.5	4
41	Passerini and Ugi Reactions Involving Kinetically Unstable Isocyanides. European Journal of Organic Chemistry, 0, , .	1.2	3
42	Rotational spectrum of 4-methylcyanoallene (CH₃CH=C=CH-CN), a chiral molecule of potential astrochemical interest. Astronomy and Astrophysics, 2014, 564, A82.	2.1	2
43	The Domino Hexadehydro-Diels-Alder Reaction: An Elegant Way toward Polyacenes. CheM, 2018, 4, 2272-2274.	5.8	0