

Jan Oskar Jeppesen

List of Publications by Year in descending order

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3982
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#	ARTICLE	IF	CITATIONS
1	Quantifying the barrier for the movement of cyclobis(paraquat-p-phenylene) over the dication of monopyrrolo-tetrathiafulvalene. <i>Organic and Biomolecular Chemistry</i> , 2022, , .	2.8	3
2	Probing the Electrostatic Barrier of Tetrathiafulvalene Dications using a Tetra- π -Stable Donor- π -Acceptor [2]Rotaxane. <i>Chemistry - A European Journal</i> , 2020, 26, 6165-6175.	3.3	7
3	Naphtho[1,2- <i>b</i> :5,6- <i>b'</i>]dithiophene Building Blocks and their Complexation with Cyclobis(paraquat- <i>p</i> -phenylene). <i>European Journal of Organic Chemistry</i> , 2019, 2019, 7532-7540.	2.4	4
4	Redox-Active Monopyrrolo-tetrathiafulvalene-Based Rotaxane Incorporating the Dihydroazulene/Vinylheptafulvene Photo/Thermoswitch. <i>European Journal of Organic Chemistry</i> , 2019, 2019, 5532-5539.	2.4	6
5	Tetrathiafulvalene-calix[4]pyrrole: a versatile synthetic receptor for electron-deficient planar and spherical guests. <i>Organic and Biomolecular Chemistry</i> , 2019, 17, 2594-2613.	2.8	21
6	Salts accelerate the switching kinetics of a cyclobis(paraquat- <i>p</i> -phenylene) [2]rotaxane. <i>Organic and Biomolecular Chemistry</i> , 2019, 17, 2432-2441.	2.8	7
7	Functionalised tetrathiafulvalene- (TTF-) macrocycles: recent trends in applied supramolecular chemistry. <i>Chemical Society Reviews</i> , 2018, 47, 5614-5645.	38.1	89
8	Very Strong Binding for a Neutral Calix[4]pyrrole Receptor Displaying Positive Allosteric Binding. <i>Journal of Organic Chemistry</i> , 2017, 82, 2123-2128.	3.2	9
9	Pseudorotaxane capped mesoporous silica nanoparticles for 3,4-methylenedioxymethamphetamine (MDMA) detection in water. <i>Chemical Communications</i> , 2017, 53, 3559-3562.	4.1	25
10	Electrochemical control of the single molecule conductance of a conjugated bis(pyrrolo)tetrathiafulvalene based molecular switch. <i>Chemical Science</i> , 2017, 8, 6123-6130.	7.4	31
11	Probing the Role of Glycol Chain Lengths in π -Donor- π -Acceptor [2]Pseudorotaxanes Based on Monopyrrolo-Tetrathiafulvalene and Cyclobis(paraquat- <i>p</i> -phenylene). <i>Journal of Organic Chemistry</i> , 2017, 82, 1371-1379.	3.2	15
12	Enhanced detection of explosives by turn-on resonance Raman upon host-guest complexation in solution and the solid state. <i>Chemical Communications</i> , 2017, 53, 10918-10921.	4.1	9
13	Ionic manipulation of charge-transfer and photodynamics of [60]fullerene confined in pyrrolo-tetrathiafulvalene cage. <i>Chemical Communications</i> , 2017, 53, 9898-9901.	4.1	6
14	Tetrathiafulvalene- (TTF-) Derived Oligopyrrolic Macrocycles. <i>Chemical Reviews</i> , 2017, 117, 2641-2710.	47.7	84
15	Synthesis and Characterization of Ethylenedithio-MPTTF-PTM Radical Dyad as a Potential Neutral Radical Conductor. <i>Magnetochemistry</i> , 2016, 2, 46.	2.4	4
16	Design and Sensing Properties of a Self-Assembled Supramolecular Oligomer. <i>Chemistry - A European Journal</i> , 2016, 22, 1958-1967.	3.3	25
17	Design and Sensing Properties of a Self-Assembled Supramolecular Oligomer. <i>Chemistry - A European Journal</i> , 2016, 22, 1869-1869.	3.3	0
18	Advances in the synthesis of functionalised pyrrolo-tetrathiafulvalenes. <i>Beilstein Journal of Organic Chemistry</i> , 2015, 11, 1112-1122.	2.2	13

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19	Self-Assembled Architectures with Segregated Donor and Acceptor Units of a Dyad Based on a Monopyrrolo-Annulated TTF-PTM Radical. <i>Chemistry - A European Journal</i> , 2015, 21, 8816-8825.	3.3	25
20	Mechanistic Evaluation of Motion in Redox-Driven Rotaxanes Reveals Longer Linkers Hasten Forward Escapes and Hinder Backward Translations. <i>Journal of the American Chemical Society</i> , 2014, 136, 6373-6384.	13.7	48
21	Use of solvent to regulate the degree of polymerisation in weakly associated supramolecular oligomers. <i>Chemical Communications</i> , 2014, 50, 5497-5499.	4.1	17
22	Mono- and Bis(pyrrolo)tetrathiafulvalene Derivatives Tethered to C ₆₀ : Synthesis, Photophysical Studies, and Self-Assembled Monolayers. <i>Chemistry - A European Journal</i> , 2014, 20, 9918-9929.	3.3	16
23	Ion-Regulated Allosteric Binding of Fullerenes (C ₆₀ and C ₇₀) by Tetrathiafulvalene-Calix[4]pyrroles. <i>Journal of the American Chemical Society</i> , 2014, 136, 10410-10417.	13.7	72
24	Robust Inclusion Complexes of Crown Ether Fused Tetrathiafulvalenes with Li + @C ₆₀ to Afford Efficient Photodriven Charge Separation. <i>Chemistry - A European Journal</i> , 2014, 20, 13976-13983.	3.3	14
25	Pressure effects in the synthesis of isomeric rotaxanes. <i>Chemical Communications</i> , 2013, 49, 5936.	4.1	14
26	Anion effects on the cyclobis(paraquat-p-phenylene) host. <i>Chemical Communications</i> , 2012, 48, 5157.	4.1	23
27	Quantification of the π - π Interactions that Govern Tertiary Structure in Donor-Acceptor [2]Pseudorotaxanes. <i>Journal of the American Chemical Society</i> , 2012, 134, 3857-3863.	13.7	31
28	Single-Molecule Electrochemical Gating in Ionic Liquids. <i>Journal of the American Chemical Society</i> , 2012, 134, 16817-16826.	13.7	118
29	Synthesis and recognition properties of higher order tetrathiafulvalene (TTF) calix[n]pyrroles (n = 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50). <i>Journal of the American Chemical Society</i> , 2011, 133, 7288-7291.	13.7	43
30	Acid/Base Controllable Molecular Recognition. <i>Chemistry - A European Journal</i> , 2011, 17, 11001-11007.	3.3	16
31	Molecular Logic Gates Using Surface-Enhanced Raman-Scattered Light. <i>Journal of the American Chemical Society</i> , 2011, 133, 7288-7291.	13.7	43
32	Synthesis and Complexation Studies between Trifluoromethylammonium Threads and Dibenzo[24]Crown-8. <i>European Journal of Organic Chemistry</i> , 2011, 2011, 759-769.	2.4	4
33	The Xsense project: The application of an intelligent sensor array for high sensitivity handheld explosives detectors. , 2011, , , .		1
34	Turning on Resonant SERRS Using the Chromophore-Plasmon Coupling Created by Host-Guest Complexation at a Plasmonic Nanoarray. <i>Journal of the American Chemical Society</i> , 2010, 132, 6099-6107.	13.7	44
35	Positive Homotropic Allosteric Receptors for Neutral Guests: Annulated Tetrathiafulvalene-Calix[4]pyrroles as Colorimetric Chemosensors for Nitroaromatic Explosives. <i>Chemistry - A European Journal</i> , 2010, 16, 848-854.	3.3	127
36	Monopyrrolotetrathiafulvalenium dication and its complexation with 1,5-dinaphtho[38]crown-10. <i>Supramolecular Chemistry</i> , 2009, 21, 157-163.	1.2	3

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37	Self-Assembled Monolayers of Mono-Tetrathiafulvalene Calix[4]pyrroles and Their Electrochemical Sensing of Chloride. <i>Chemistry - A European Journal</i> , 2009, 15, 8128-8133.	3.3	24
38	A chloride-anion insensitive colorimetric chemosensor for trinitrobenzene and picric acid. <i>Analytical and Bioanalytical Chemistry</i> , 2009, 395, 393-400.	3.7	46
39	Determination of Binding Strengths of a Host-Guest Complex Using Resonance Raman Scattering. <i>Journal of Physical Chemistry A</i> , 2009, 113, 9450-9457.	2.5	31
40	The Introduction of Pyrrolotetrathiafulvalene into Conjugated Architectures: Synthesis and Electronic Properties. <i>Macromolecular Rapid Communications</i> , 2008, 29, 1226-1230.	3.9	8
41	Binding studies of tetrathiafulvalene-calix[4]pyrroles with electron-deficient guests. <i>Tetrahedron</i> , 2008, 64, 8449-8463.	1.9	53
42	Chloride Anion Controlled Molecular "Switching" Binding of 2,5,7-Trinitro-9-dicyanomethylene-fluorene-C ₆₀ by Tetrathiafulvalene Calix[4]pyrrole and Photophysical Generation of Two Different Charge-Separated States. <i>Journal of the American Chemical Society</i> , 2008, 130, 460-462.	13.7	79
43	Bis(tetrathiafulvalene)-Calix[2]pyrrole[2]-thiophene and Its Complexation with TCNQ. <i>Organic Letters</i> , 2007, 9, 5485-5488.	4.6	33
44	Functionally Rigid Bistable [2]Rotaxanes. <i>Journal of the American Chemical Society</i> , 2007, 129, 960-970.	13.7	125
45	Two Classes of Alongside Charge-Transfer Interactions Defined in One [2]Catenane. <i>Journal of the American Chemical Society</i> , 2007, 129, 7354-7363.	13.7	54
46	Binding Studies between Triethylene Glycol-Substituted Monopyrrolotetrathiafulvalene Derivatives and Cyclobis(paraquat-p-phenylene). <i>Journal of Organic Chemistry</i> , 2007, 72, 1617-1626.	3.2	39
47	Quantifying the working stroke of tetrathiafulvalene-based electrochemically-driven linear motor-molecules. <i>Chemical Communications</i> , 2006, , 144-146.	4.1	58
48	Tetrathiafulvalene-Calix[4]pyrroles: Synthesis, Anion Binding, and Electrochemical Properties. <i>Journal of the American Chemical Society</i> , 2006, 128, 2444-2451.	13.7	107
49	Locking down the Electronic Structure of (Monopyrrolo)tetrathiafulvalene in [2]Rotaxanes. <i>Organic Letters</i> , 2006, 8, 2205-2208.	4.6	43
50	Ground-State Equilibrium Thermodynamics and Switching Kinetics of Bistable [2]Rotaxanes Switched in Solution, Polymer Gels, and Molecular Electronic Devices. <i>Chemistry - A European Journal</i> , 2006, 12, 261-279.	3.3	216
51	Supramolecular Receptor Design: Anion-Triggered Binding of C ₆₀ . <i>Angewandte Chemie - International Edition</i> , 2006, 45, 6848-6853.	13.8	90
52	Characterization of a Byproduct in the Alkylation of DMIT: Alkylation on the Least Nucleophilic Sulfur Atom. <i>European Journal of Inorganic Chemistry</i> , 2006, 2006, 3099-3104.	2.0	1
53	Linear Artificial Molecular Muscles. <i>Journal of the American Chemical Society</i> , 2005, 127, 9745-9759.	13.7	660
54	Synthesis and non-linear optical properties of mono-pyrrolotetrathiafulvalene derived donor-acceptor dyads. <i>Journal of Materials Chemistry</i> , 2004, 14, 179-184.	6.7	43

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55	Counterion-Induced Translational Isomerism in a Bistable [2]Rotaxane. <i>Organic Letters</i> , 2004, 6, 4167-4170.	4.6	91
56	Tetra-TTF Calix[4]pyrrole: A Rationally Designed Receptor for Electron-Deficient Neutral Guests. <i>Journal of the American Chemical Society</i> , 2004, 126, 16296-16297.	13.7	156
57	Tetrathiafulvalene Cyclophanes and Cage Molecules. <i>Chemical Reviews</i> , 2004, 104, 5115-5132.	47.7	194
58	Amphiphilic Bistable Rotaxanes. <i>Chemistry - A European Journal</i> , 2003, 9, 2982-3007.	3.3	147
59	In the Twilight Zone between [2]Pseudorotaxanes and [2]Rotaxanes. <i>Chemistry - A European Journal</i> , 2003, 9, 4611-4625.	3.3	78
60	Mono-Tetrathiafulvalene Calix[4]pyrrole in the Electrochemical Sensing of Anions. <i>Angewandte Chemie - International Edition</i> , 2003, 42, 187-191.	13.8	113
61	A mono-TTF-annulated porphyrin as a fluorescence switch Electronic supplementary information (ESI) available: data for 4. See http://www.rsc.org/suppdata/cc/b2/b212456d/ . <i>Chemical Communications</i> , 2003, , 846-847.	4.1	114
62	A Pyrrolo-Tetrathiafulvalene Belt and Its TCNQ Complex: Syntheses and X-ray Crystal Structures. <i>Organic Letters</i> , 2002, 4, 1327-1330.	4.6	19
63	Electrochemical Recognition of Cations by Bis(pyrrolo)tetrathiafulvalene Macrocycles. <i>Organic Letters</i> , 2002, 4, 2461-2464.	4.6	75
64	A Pyrrolo-Tetrathiafulvalene Cage: Synthesis and X-ray Crystal Structure. <i>Organic Letters</i> , 2002, 4, 4189-4192.	4.6	23
65	Poised on the Brink between a Bistable Complex and a Compound. <i>Organic Letters</i> , 2002, 4, 557-560.	4.6	53
66	Binding Studies between Tetrathiafulvalene Derivatives and Cyclobis(paraquat-p-phenylene). <i>Journal of Organic Chemistry</i> , 2001, 66, 3559-3563.	3.2	142
67	Switching Devices Based on Interlocked Molecules. <i>Accounts of Chemical Research</i> , 2001, 34, 433-444.	15.6	770
68	Slow Shuttling in an Amphiphilic Bistable [2]Rotaxane Incorporating a Tetrathiafulvalene Unit. <i>Angewandte Chemie - International Edition</i> , 2001, 40, 1216-1221.	13.8	169
69	A novel thiopyran-4-thione synthesis and crystal structure of a thiopyran-4-thione. <i>Journal of the Chemical Society, Perkin Transactions 1</i> , 2000, , 1467-1470.	1.3	7
70	The First Electrochemically Active Cuppedophanes: Bis(tetrathiafulvalene)cuppedophanes. <i>Organic Letters</i> , 2000, 2, 2471-2473.	4.6	9
71	Self-Assembly of an Amphiphilic [2]Rotaxane Incorporating a Tetrathiafulvalene Unit. <i>Organic Letters</i> , 2000, 2, 3547-3550.	4.6	54
72	Pyrrolo-Annulated Tetrathiafulvalenes: The Parent Systems. <i>Journal of Organic Chemistry</i> , 2000, 65, 5794-5805.	3.2	129

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73	Pyrrolo Annelated Tetrathiafulvalenes:Â The Parent Systems. Organic Letters, 1999, 1, 1291-1294.	4.6	70