Jens Spanget-Larsen

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/4412765/publications.pdf

Version: 2024-02-01

106	2,037	257101	360668
papers	citations	24 h-index	35 g-index

121	121	121	1620
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	On the complexity of the 1,3-dithiole-2-thione chromophore. UV-Vis polarization spectroscopy and theoretical calculations. Chemical Physics, 2022, , 111574.	0.9	1
2	UV polarisation spectroscopy of 1,4-diethynylbenzene. Molecular Physics, 2021, 119, .	0.8	1
3	Gallate semiquinone radical tri-anion. Experimental and theoretical studies of the 13C hyperfine coupling constants. Journal of Molecular Structure, 2021, 1241, 130663.	1.8	1
4	NH Stretching Frequencies of Intramolecularly Hydrogen-Bonded Systems: An Experimental and Theoretical Study. Molecules, 2021, 26, 7651.	1.7	12
5	Semiquinone radical anions derived from 2,3-dimethylchrysazin, 7-deoxyaklavinone, and aclacinomycin T. Computational studies of the influence of aprotic and protic solvents on the electron spin resonance spectra. Journal of Molecular Liquids, 2020, 320, 114508.	2.3	1
6	Dibenzo-p-dioxin. Twisted and puckered excited state molecular geometries. Computational and Theoretical Chemistry, 2019, 1164, 112551.	1.1	1
7	Intramolecular Hydrogen Bonds in Normal and Sterically Compressed o-Hydroxy Aromatic Aldehydes. Isotope Effects on Chemical Shifts and Hydrogen Bond Strength. Molecules, 2019, 24, 4533.	1.7	14
8	Ionic reaction products of iodine with pyridine, 4-methylpyridine, and 4-tert-butylpyridine in a polyethylene matrix. A FTIR polarization spectroscopic investigation. Chemical Physics Letters, 2019, 716, 119-125.	1.2	14
9	Hydrogen bonding between ethynyl aromates and triethylamine: IR spectroscopic and computational study. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2019, 209, 288-294.	2.0	5
10	Electronic states of dibenzo-p-dioxin. A synchrotron radiation linear dichroism investigation. Chemical Physics, 2019, 519, 64-68.	0.9	5
11	2-Ethynylpyridine dimers: IR spectroscopic and computational study. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2018, 195, 41-46.	2.0	1
12	Vacuum UV Polarization Spectroscopy of p-Terphenyl. Journal of Physical Chemistry A, 2018, 122, 184-191.	1.1	6
13	Intramolecular hydrogen bonding in myricetin and myricitrin. Quantum chemical calculations and vibrational spectroscopy. Journal of Molecular Structure, 2017, 1131, 242-249.	1.8	12
14	Electronic states of Myricetin. UVâ€“Vis polarization spectroscopy and quantum chemical calculations. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2017, 173, 182-187.	2.0	5
15	NMR and IR Investigations of Strong Intramolecular Hydrogen Bonds. Molecules, 2017, 22, 552.	1.7	95
16	Structural studies on Mannich bases of 2-Hydroxy-3,4,5,6-tetrachlorobenzene. An UV, IR, NMR and DFT study. A mini-review. Journal of Molecular Structure, 2016, 1119, 235-239.	1.8	15
17	Fast and efficient green synthesis of thiosulfonate S-esters by microwave-supported permanganate oxidation of symmetrical disulfides. Journal of Sulfur Chemistry, 2015, 36, 340-350.	1.0	26
18	Molecular and vibrational structure of thiosulfonate S-esters. Journal of Molecular Structure, 2013, 1049, 165-171.	1.8	3

#	Article	IF	Citations
19	Electronic states of the fluorophore 9,10-bis(phenylethynyl)anthracene (BPEA). A synchrotron radiation linear dichroism investigation. Chemical Physics Letters, 2013, 559, 35-40.	1.2	9
20	On prediction of OH stretching frequencies in intramolecularly hydrogen bonded systems. Journal of Molecular Structure, 2012, 1018, 8-13.	1.8	22
21	Dye-sensitized solar cells and complexes between pyridines and iodines. A NMR, IR and DFT study. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2012, 98, 247-251.	2.0	11
22	Electronic states of 1,4-bis(phenylethynyl)benzene: A synchrotron radiation linear dichroism investigation. Chemical Physics, 2012, 392, 130-135.	0.9	12
23	Unique interplay between electronic states and dihedral angle for the molecular rotor diphenyldiacetylene. Physical Chemistry Chemical Physics, 2011, 13, 16168.	1.3	27
24	OH stretching frequencies in systems with intramolecular hydrogen bonds: Harmonic and anharmonic analyses. Chemical Physics, 2011, 389, 107-115.	0.9	30
25	Synchrotron radiation linear dichroism (SRLD) investigation of the electronic transitions of quinizarin, chrysazin, and anthrarufin. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2010, 77, 279-286.	2.0	20
26	Electronic transitions of fluorene, dibenzofuran, carbazole, and dibenzothiophene: From the onset of absorption to the ionization threshold. Journal of Molecular Spectroscopy, 2010, 264, 19-25.	0.4	16
27	Molecular and vibrational structure of the extracellular bacterial signal compound N-butyryl-homoserine lactone (C4-HSL). Vibrational Spectroscopy, 2009, 49, 237-241.	1.2	8
28	FTIR investigation of the reaction between pyridine and iodine in a polyethylene host. Formation of N-iodopyridinium polyiodide. Chemical Physics Letters, 2009, 473, 227-232.	1.2	25
29	Electronic states of emodin and its conjugate base. Synchrotron linear dichroism spectroscopy and quantum chemical calculations. Chemical Physics, 2008, 352, 167-174.	0.9	19
30	Conformational and tautomeric eccentricities of 2-acetyl-1,8-dihydroxynaphthalenes. Magnetic Resonance in Chemistry, 2007, 45, 106-117.	1.1	17
31	Monothiodibenzoylmethane: Structural and vibrational assignments. Vibrational Spectroscopy, 2007, 43, 53-63.	1.2	12
32	Photochromism in p-methylbenzoylthioacetone and related Î²-thioxoketones. Chemical Physics, 2007, 338, 11-22.	0.9	10
33	Intramolecular hydrogen bonding. Spectroscopic and theoretical studies of vibrational transitions in dibenzoylmethane enol. Journal of Molecular Structure, 2006, 790, 74-79.	1.8	21
34	The vibrational structure of (E,Eâ€²)-1,4-diphenyl-1,3-butadiene. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2006, 65, 770-778.	2.0	4
35	Photochromism and polarization spectroscopy of p-methyl(thiobenzoyl)acetone. Chemical Physics, 2006, 328, 205-215.	0.9	9
36	NMR and IR Spectroscopy of Phenols. ChemInform, 2005, 36, no.	0.1	1

#	Article	IF	Citations
37	ELECTRONIC STATES OF ANTHANTHRENE. LINEAR AND MAGNETIC CIRCULAR DICHROISM, FLUORESCENCE ANISOTROPY, AND QUANTUM CHEMICAL CALCULATIONS. Polycyclic Aromatic Compounds, 2005, 25, 23-45.	1.4	7
38	Thioacetylacetone: Structural and Vibrational Assignments. ChemPhysChem, 2004, 5, 495-502.	1.0	21
39	Magnetic Circular Dichroism of Nonaromatic Cyclic Ï€-Electron Systems. 5.1Biphenylene and Its Aza Analoguesâ€. Journal of Physical Chemistry A, 2004, 108, 3225-3234.	1.1	32
40	TD-DFT Computational Insight into the Origin of Wavelength-Dependent E/Z Photoisomerization of Urocanic Acid. Journal of Physical Chemistry A, 2004, 108, 5662-5669.	1.1	11
41	The electronic transitions of dibenzothiophene: linear dichroism spectroscopy and quantum chemical calculations. Journal of Molecular Structure, 2003, 661-662, 603-610.	1.8	8
42	Spectroscopy and photophysics of alloxazines studied in their ground and first excited singlet states. Journal of Photochemistry and Photobiology A: Chemistry, 2003, 158, 45-53.	2.0	28
43	High-Resolution Spectroscopic Study of Matrix-Isolated Reactive Intermediates:Â Vibrational Assignments for 3-Fluoro-o-Benzyne and Perfluoro-o-Benzyneâ‡. Journal of Physical Chemistry A, 2002, 106, 6730-6737.	1.1	6
44	Electronic states of 1,6,6aÎ»4-trithiapentalene and its 2,5-dimethyl and 2,5-diphenyl derivatives. Ultraviolet-visible linear dichroism spectroscopy and time-dependent density functional theory calculations. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2002, 58, 2245-2255.	2.0	5
45	Electronic states of the phenoxyl radical. Journal of Chemical Physics, 2001, 115, 9733-9738.	1.2	82
46	Vibrations of the Phenoxyl Radical. Journal of the American Chemical Society, 2001, 123, 11253-11261.	6.6	75
47	On the molecular and vibrational structure of 1,6,6aÎ»4-trithiapentalenes. Analysis of the â€œbell-clapperâ€™ asymmetrical Sâ€“Sâ€“S stretching mode. Physical Chemistry Chemical Physics, 2001, 3, 908-916.	1.3	7
48	Raman Spectrum of the Phenyl Radical. Journal of Physical Chemistry A, 2001, 105, 10520-10524.	1.1	28
49	Vibrations of nitrous oxide: Matrix isolation Fourier transform infrared spectroscopy of twelve N2O isotopomers. Journal of Chemical Physics, 2001, 115, 1757-1764.	1.2	57
50	Linear Dichroism, Instrumentation. , 1999, , 1176-1178.		0
51	Linear Dichroism, Applications. , 1999, , 1169-1175.		0
52	Molecular and vibrational structure of anthralin. Infrared linear dichroism spectroscopy and quantum chemical calculations. Journal of Molecular Structure, 1999, 475, 131-140.	1.8	10
53	Infrared absorption and Raman scattering of (Z)-3-hydroxypropenal. A density functional theoretical study. Chemical Physics, 1999, 240, 51-61.	0.9	34
54	Linear Dichroism, Applications*. , 1999, , 1340-1345.		0

#	Article	IF	Citations
55	Interaction between Ellagic Acid and Calf Thymus DNA Studied with Flow Linear Dichroism UVâ€“VIS Spectroscopy. Biochemical and Biophysical Research Communications, 1999, 265, 416-421.	1.0	35
56	Linear Dichroism, Instrumentation*. , 1999, , 1346-1348.		0
57	Excited-state intramolecular proton transfer in anthralin.. Chemical Physics Letters, 1998, 291, 51-56.	1.2	23
58	The strong influence of the solvent on the electron spin resonance spectra of semiquinone radical anions I. A theoretical investigation of the hyperfine constants of 1,2- and 1,4-benzosemiquinone by using density functional theory and polarizable continuum solvation models. Computational and Theoretical Chemistry, 1998, 431, 173-180.	1.5	15
59	Molecular and Vibrational Structure of 1,6,6aÎ»4-Trithiapentalene. Infrared Linear Dichroism Spectroscopy and ab Initio Normal-Mode Analyses. Journal of Physical Chemistry A, 1997, 101, 4475-4480.	1.1	19
60	The alternant hydrocarbon pairing theorem and all-valence electrons theory. An approximate LCOAO theory for the electronic absorption and MCD spectra of conjugated organic compounds, part 2. Theoretical Chemistry Accounts, 1997, 98, 137-153.	0.5	16
61	Electronic transitions and intramolecular hydrogen bonding in anthralin. UV-VIS linear dichroism spectroscopy and quantum chemical calculations. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 1997, 53, 2615-2625.	2.0	17
62	Structure-reactivity correlations for aza-arenes. Proton affinities, pKa values, hydrogen-deuterium exchange rates and radical-induced13C shifts. Journal of Physical Organic Chemistry, 1995, 8, 496-505.	0.9	20
63	Electronic states of symmetrically disubstituted s-tetrazines. Chemical Physics, 1995, 200, 201-213.	0.9	31
64	The molecular and electronic structure of dibenzo[g,p]chrysene: A twisted case. Theoretica Chimica Acta, 1994, 89, 301-309.	0.9	10
65	Why Is 1,6,6a.lambda.4-Trithiapentalene Colored?. Journal of the American Chemical Society, 1994, 116, 11433-11435.	6.6	13
66	Ultraviolet–Visible Linear Dichroism of Leucoquinizarin Aligned in Stretched Polyethylene.. Acta Chemica Scandinavica, 1993, 47, 419-421.	0.7	4
67	Electronic states of benzo[a]pyrene. Linear and magnetic circular dichroism, polarized fluorescence, and quantum chemical calculations. Journal of the American Chemical Society, 1992, 114, 1942-1949.	6.6	21
68	Ultraviolet-visible and infrared linear dichroism spectroscopy of 1,8-dihydroxy-9,10-anthraquinone aligned in stretched polyethylene. Chemical Physics, 1992, 165, 351-360.	0.9	40
69	Electronic states of chrysene: linear and magnetic circular dichroism and quantum chemical calculations. The Journal of Physical Chemistry, 1990, 94, 1800-1806.	2.9	25
70	Electronic states of heterospirenes: linear dichroism in stretched polyethylene. The Journal of Physical Chemistry, 1990, 94, 2334-2344.	2.9	11
71	Molecular symmetry of 2,5-dimethyl-1,6,6a.lambda.4-trithiapentalene: infrared linear dichroism in stretched polyethylene. The Journal of Physical Chemistry, 1990, 94, 8423-8425.	2.9	14
72	Polarized infrared spectra of 1,4-dihydroxy-9,10-anthraquinone aligned in stretched polyethylene. Spectrochimica Acta Part A: Molecular Spectroscopy, 1989, 45, 431-435.	0.1	4

#	Article	IF	Citations
73	Electronic Interactions of Cyclopropyl Groups: Synthesis and Photoelectron Spectra of Model Compounds Derived from Triasterane, Nortricyclane and Norbornane. Israel Journal of Chemistry, 1989, 29, 153-164.	1.0	9
74	Photoelectron spectra of disubstituted 1,2,4,5-tetrazines. Journal of Organic Chemistry, 1988, 53, 5756-5762.	1.7	33
75	Ground- and excited-state protonation of aminoquinoxalines. The Journal of Physical Chemistry, 1988, 92, 6930-6935.	2.9	20
76	Symmetry assignments of vibrations in 9,10-anthraquinone aligned in stretched polyethylene. Spectrochimica Acta Part A: Molecular Spectroscopy, 1987, 43, 331-335.	0.1	15
77	Transition moment directions in 9,10-anthraquinones. Symmetrical cases. Chemical Physics, 1986, 104, 305-313.	0.9	26
78	A structureâ€“reactivity relationship for the basicity of aza-arenes. Journal of the Chemical Society Perkin Transactions II, 1985, , 417-419.	0.9	29
79	Photoelectron Spectra of Some Reduction Products of [2.2]Paracyclophane. Chemische Berichte, 1984, 117, 1987-1990.	0.2	2
80	Electronic states of the [2 n]cyclophanes. Theoretica Chimica Acta, 1983, 64, 187-203.	0.9	13
81	Structure and reactivity of norbornene and syn-sesquinorbornene. Tetrahedron, 1983, 39, 3345-3350.	1.0	60
82	Evidence for through-bond interaction between mutually perpendicular PI systems. Tetrahedron Letters, 1983, 24, 1149-1152.	0.7	10
83	Conjugative, Exciton and Charge-Resonance Interactions inD2d-9,9?-Spirobifluorene andD2d-Tetrabenzotricyclo [5.5.0.02,8]dodeca-3,5,9,11-tetraene. Photoelectron and Polarized Absorption Spectra. Helvetica Chimica Acta, 1983, 66, 1441-1455.	1.0	14
84	The MINDO/3 structure of bicyclo [6.2.0] decapentaene. Computational and Theoretical Chemistry, 1983, 104, 495-496.	1.5	2
85	On the ground state and first excited state geometries of syn-sesquinorbornene. Tetrahedron Letters, 1982, 23, 927-930.	0.7	25
86	On the exceptional reactivity of the norbornene double bond. Tetrahedron Letters, 1982, 23, 2435-2438.	0.7	54
87	On bridging the gap between extended Hï¿½ckel and NDO Type LCAO-MO theories. Theoretica Chimica Acta, 1980, 55, 165-172.	0.9	22
88	Assignment of the hyperfine constants of the 1,2-benzosemiquinone radical anion: Comment on ?INDO studies on the structure of benzosemiquinone radicals?. International Journal of Quantum Chemistry, 1980, 18, 365-367.	1.0	7
89	Linear combination of walsh orbitals in tris-Ïƒ-homobenzenes. Tetrahedron, 1979, 35, 1385-1389.	1.0	10
90	On the structure of semiquinone radicals. Journal of Molecular Structure, 1979, 51, 301-304.	1.8	4

#	Article	IF	Citations
91	Structure and solvation of nitrobenzene and 1,4-dinitrobenzene radical anions. Theoretica Chimica Acta, 1979, 51, 65-78.	0.9	18
92	INDO Calculations with inclusion of an effective solvent field. Application to benzosemiquinones. Theoretica Chimica Acta, 1978, 47, 315-328.	0.9	21
93	Orbital interactions in anti- and syn- tricyclooctadienes and their homoderivatives. Theoretica Chimica Acta, 1978, 50, 145-158.	0.9	15
94	Rearrangement of Tris-Ïƒ-homobenzenes to 1,4,7-Cyclononatrienes. Angewandte Chemie International Edition in English, 1978, 17, 441-442.	4.4	25
95	Interaction of Walsh orbitals in trishomocycloheptatrienes and related hydrocarbons. Journal of the American Chemical Society, 1978, 100, 3005-3014.	6.6	26
96	Polarized Absorption and Photoelectron Spectra of Aceheptylene, 3.5â€Dimethylaceheptylene and 3,5,8,10â€Tetramethylaceheptylene. Zeitschrift Fur Elektrotechnik Und Elektrochemie, 1976, 80, 532-536.	0.9	9
97	The Electronic Structure of Azuleno[1,2,3-cd]phenalene and Azuleno[5,6,7-cd]phenalene, a Comparison. Helvetica Chimica Acta, 1976, 59, 1459-1468.	1.0	7
98	On the spin distribution in the monoprotonated 1,4-Benzosemiquinone radical. Chemical Physics Letters, 1976, 44, 543-546.	1.2	10
99	Solvation of the nitrobenzene radical anion. Molecular Physics, 1976, 32, 735-741.	0.8	21
100	The strong influence of the solvent on the spin distribution in 1,2-benzosemiquinones. Chemical Physics Letters, 1975, 35, 41-44.	1.2	15
101	Solvent sensitivities of the hyperfine constants of methyl- and t-butyl-substituted 1,4-benzosemiquinones. Journal of Magnetic Resonance, 1975, 18, 383-389.	0.5	3
102	On the photoelectron spectra of the azanaphthalenes. Journal of Electron Spectroscopy and Related Phenomena, 1974, 3, 369-379.	0.8	21
103	Simple molecular orbital theory interpretation of the photoelectron spectra of the azines ag. Journal of Electron Spectroscopy and Related Phenomena, 1973, 2, 33-49.	0.8	46
104	NMR and IR Spectroscopy of Phenols. , 0, , 333-393.		2
105	Some aspects of the photoelectron spectroscopy of organic sulfur compounds. , 0, , 139-195.		57
106	UV synchrotron radiation linear dichroism spectroscopy of the anti-psoriatic drug anthralin. , 0, 1, e5.		2