

Jens Spanget-Larsen

List of Publications by Year in descending order

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121
docs citations

121
times ranked

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citing authors

#	ARTICLE	IF	CITATIONS
1	NMR and IR Investigations of Strong Intramolecular Hydrogen Bonds. <i>Molecules</i> , 2017, 22, 552.	1.7	95
2	Electronic states of the phenoxy radical. <i>Journal of Chemical Physics</i> , 2001, 115, 9733-9738.	1.2	82
3	Vibrations of the Phenoxy Radical. <i>Journal of the American Chemical Society</i> , 2001, 123, 11253-11261.	6.6	75
4	Structure and reactivity of norbornene and syn-sesquinorbornene. <i>Tetrahedron</i> , 1983, 39, 3345-3350.	1.0	60
5	Vibrations of nitrous oxide: Matrix isolation Fourier transform infrared spectroscopy of twelve N2O isotopomers. <i>Journal of Chemical Physics</i> , 2001, 115, 1757-1764.	1.2	57
6	Some aspects of the photoelectron spectroscopy of organic sulfur compounds. , 0, , 139-195.		57
7	On the exceptional reactivity of the norbornene double bond. <i>Tetrahedron Letters</i> , 1982, 23, 2435-2438.	0.7	54
8	Simple molecular orbital theory interpretation of the photoelectron spectra of the azines ag. <i>Journal of Electron Spectroscopy and Related Phenomena</i> , 1973, 2, 33-49.	0.8	46
9	Ultraviolet-visible and infrared linear dichroism spectroscopy of 1,8-dihydroxy-9,10-anthraquinone aligned in stretched polyethylene. <i>Chemical Physics</i> , 1992, 165, 351-360.	0.9	40
10	Interaction between Ellagic Acid and Calf Thymus DNA Studied with Flow Linear Dichroism UVâ€“VIS Spectroscopy. <i>Biochemical and Biophysical Research Communications</i> , 1999, 265, 416-421.	1.0	35
11	Infrared absorption and Raman scattering of (Z)-3-hydroxypropenal. A density functional theoretical study. <i>Chemical Physics</i> , 1999, 240, 51-61.	0.9	34
12	Photoelectron spectra of disubstituted 1,2,4,5-tetrazines. <i>Journal of Organic Chemistry</i> , 1988, 53, 5756-5762.	1.7	33
13	Magnetic Circular Dichroism of Nonaromatic Cyclic ĩ€-Electron Systems. 5.1Biphenylene and Its Aza Analoguesâ€“. <i>Journal of Physical Chemistry A</i> , 2004, 108, 3225-3234.	1.1	32
14	Electronic states of symmetrically disubstituted s-tetrazines. <i>Chemical Physics</i> , 1995, 200, 201-213.	0.9	31
15	OH stretching frequencies in systems with intramolecular hydrogen bonds: Harmonic and anharmonic analyses. <i>Chemical Physics</i> , 2011, 389, 107-115.	0.9	30
16	A structureâ€“reactivity relationship for the basicity of aza-arenes. <i>Journal of the Chemical Society Perkin Transactions II</i> , 1985, , 417-419.	0.9	29
17	Raman Spectrum of the Phenyl Radical. <i>Journal of Physical Chemistry A</i> , 2001, 105, 10520-10524.	1.1	28
18	Spectroscopy and photophysics of alloxazines studied in their ground and first excited singlet states. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2003, 158, 45-53.	2.0	28

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19	Unique interplay between electronic states and dihedral angle for the molecular rotor diphenyldiacetylene. <i>Physical Chemistry Chemical Physics</i> , 2011, 13, 16168.	1.3	27
20	Interaction of Walsh orbitals in trishomocycloheptatrienes and related hydrocarbons. <i>Journal of the American Chemical Society</i> , 1978, 100, 3005-3014.	6.6	26
21	Transition moment directions in 9,10-anthraquinones. Symmetrical cases. <i>Chemical Physics</i> , 1986, 104, 305-313.	0.9	26
22	Fast and efficient green synthesis of thiosulfonate <i>S</i> -esters by microwave-supported permanganate oxidation of symmetrical disulfides. <i>Journal of Sulfur Chemistry</i> , 2015, 36, 340-350.	1.0	26
23	Rearrangement of Tris- <i>l</i> -homobenzenes to 1,4,7-Cyclononatrienes. <i>Angewandte Chemie International Edition in English</i> , 1978, 17, 441-442.	4.4	25
24	On the ground state and first excited state geometries of syn-sesquinorbornene. <i>Tetrahedron Letters</i> , 1982, 23, 927-930.	0.7	25
25	Electronic states of chrysene: linear and magnetic circular dichroism and quantum chemical calculations. <i>The Journal of Physical Chemistry</i> , 1990, 94, 1800-1806.	2.9	25
26	FTIR investigation of the reaction between pyridine and iodine in a polyethylene host. Formation of N-iodopyridinium polyiodide. <i>Chemical Physics Letters</i> , 2009, 473, 227-232.	1.2	25
27	Excited-state intramolecular proton transfer in anthralin.. <i>Chemical Physics Letters</i> , 1998, 291, 51-56.	1.2	23
28	On bridging the gap between extended Hückel and NDO Type LCAO-MO theories. <i>Theoretica Chimica Acta</i> , 1980, 55, 165-172.	0.9	22
29	On prediction of OH stretching frequencies in intramolecularly hydrogen bonded systems. <i>Journal of Molecular Structure</i> , 2012, 1018, 8-13.	1.8	22
30	On the photoelectron spectra of the azanaphthalenes. <i>Journal of Electron Spectroscopy and Related Phenomena</i> , 1974, 3, 369-379.	0.8	21
31	Solvation of the nitrobenzene radical anion. <i>Molecular Physics</i> , 1976, 32, 735-741.	0.8	21
32	INDO Calculations with inclusion of an effective solvent field. Application to benzosemiquinones. <i>Theoretica Chimica Acta</i> , 1978, 47, 315-328.	0.9	21
33	Electronic states of benzo[a]pyrene. Linear and magnetic circular dichroism, polarized fluorescence, and quantum chemical calculations. <i>Journal of the American Chemical Society</i> , 1992, 114, 1942-1949.	6.6	21
34	Thioacetylacetone: Structural and Vibrational Assignments. <i>ChemPhysChem</i> , 2004, 5, 495-502.	1.0	21
35	Intramolecular hydrogen bonding. Spectroscopic and theoretical studies of vibrational transitions in dibenzoylmethane enol. <i>Journal of Molecular Structure</i> , 2006, 790, 74-79.	1.8	21
36	Ground- and excited-state protonation of aminoquinoxalines. <i>The Journal of Physical Chemistry</i> , 1988, 92, 6930-6935.	2.9	20

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37	Structure-reactivity correlations for aza-arenes. Proton affinities, pKa values, hydrogen-deuterium exchange rates and radical-induced ¹³ C shifts. <i>Journal of Physical Organic Chemistry</i> , 1995, 8, 496-505.	0.9	20
38	Synchrotron radiation linear dichroism (SRLD) investigation of the electronic transitions of quinizarin, chrysazin, and anthrarufin. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2010, 77, 279-286.	2.0	20
39	Molecular and Vibrational Structure of 1,6,6a,4-Trithiapentalene. Infrared Linear Dichroism Spectroscopy and ab Initio Normal-Mode Analyses. <i>Journal of Physical Chemistry A</i> , 1997, 101, 4475-4480.	1.1	19
40	Electronic states of emodin and its conjugate base. Synchrotron linear dichroism spectroscopy and quantum chemical calculations. <i>Chemical Physics</i> , 2008, 352, 167-174.	0.9	19
41	Structure and solvation of nitrobenzene and 1,4-dinitrobenzene radical anions. <i>Theoretica Chimica Acta</i> , 1979, 51, 65-78.	0.9	18
42	Electronic transitions and intramolecular hydrogen bonding in anthralin. UV-VIS linear dichroism spectroscopy and quantum chemical calculations. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 1997, 53, 2615-2625.	2.0	17
43	Conformational and tautomeric eccentricities of 2-acetyl-1,8-dihydroxynaphthalenes. <i>Magnetic Resonance in Chemistry</i> , 2007, 45, 106-117.	1.1	17
44	The alternant hydrocarbon pairing theorem and all-valence electrons theory. An approximate LCAO theory for the electronic absorption and MCD spectra of conjugated organic compounds, part 2. <i>Theoretical Chemistry Accounts</i> , 1997, 98, 137-153.	0.5	16
45	Electronic transitions of fluorene, dibenzofuran, carbazole, and dibenzothiophene: From the onset of absorption to the ionization threshold. <i>Journal of Molecular Spectroscopy</i> , 2010, 264, 19-25.	0.4	16
46	The strong influence of the solvent on the spin distribution in 1,2-benzosemiquinones. <i>Chemical Physics Letters</i> , 1975, 35, 41-44.	1.2	15
47	Orbital interactions in anti- and syn- tricyclooctadienes and their homoderivatives. <i>Theoretica Chimica Acta</i> , 1978, 50, 145-158.	0.9	15
48	Symmetry assignments of vibrations in 9,10-anthraquinone aligned in stretched polyethylene. <i>Spectrochimica Acta Part A: Molecular Spectroscopy</i> , 1987, 43, 331-335.	0.1	15
49	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. <i>Computational and Theoretical Chemistry</i> , 1998, 431, 173-180.	1.5	15
50	Structural studies on Mannich bases of 2-Hydroxy-3,4,5,6-tetrachlorobenzene. An UV, IR, NMR and DFT study. A mini-review. <i>Journal of Molecular Structure</i> , 2016, 1119, 235-239.	1.8	15
51	Conjugative, Exciton and Charge-Resonance Interactions in D2d-9,9'-Spirobifluorene and D2d-Tetrabenzotricyclo [5.5.0.0 ^{2,8}]dodeca-3,5,9,11-tetraene. <i>Photoelectron and Polarized Absorption Spectra</i> . <i>Helvetica Chimica Acta</i> , 1983, 66, 1441-1455.	1.0	14
52	Molecular symmetry of 2,5-dimethyl-1,6,6a,4-trithiapentalene: infrared linear dichroism in stretched polyethylene. <i>The Journal of Physical Chemistry</i> , 1990, 94, 8423-8425.	2.9	14
53	Intramolecular Hydrogen Bonds in Normal and Sterically Compressed o-Hydroxy Aromatic Aldehydes. Isotope Effects on Chemical Shifts and Hydrogen Bond Strength. <i>Molecules</i> , 2019, 24, 4533.	1.7	14
54	Ionic reaction products of iodine with pyridine, 4-methylpyridine, and 4-tert-butylpyridine in a polyethylene matrix. A FTIR polarization spectroscopic investigation. <i>Chemical Physics Letters</i> , 2019, 716, 119-125.	1.2	14

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55	Electronic states of the [2 n]cyclophanes. <i>Theoretica Chimica Acta</i> , 1983, 64, 187-203.	0.9	13
56	Why Is 1,6,6a.lambda.4-Trithiapentalene Colored?. <i>Journal of the American Chemical Society</i> , 1994, 116, 11433-11435.	6.6	13
57	Monothiodibenzoylmethane: Structural and vibrational assignments. <i>Vibrational Spectroscopy</i> , 2007, 43, 53-63.	1.2	12
58	Electronic states of 1,4-bis(phenylethynyl)benzene: A synchrotron radiation linear dichroism investigation. <i>Chemical Physics</i> , 2012, 392, 130-135.	0.9	12
59	Intramolecular hydrogen bonding in myricetin and myricitrin. Quantum chemical calculations and vibrational spectroscopy. <i>Journal of Molecular Structure</i> , 2017, 1131, 242-249.	1.8	12
60	NH Stretching Frequencies of Intramolecularly Hydrogen-Bonded Systems: An Experimental and Theoretical Study. <i>Molecules</i> , 2021, 26, 7651.	1.7	12
61	Electronic states of heterospirenes: linear dichroism in stretched polyethylene. <i>The Journal of Physical Chemistry</i> , 1990, 94, 2334-2344.	2.9	11
62	TD-DFT Computational Insight into the Origin of Wavelength-Dependent E/Z Photoisomerization of Urocanic Acid. <i>Journal of Physical Chemistry A</i> , 2004, 108, 5662-5669.	1.1	11
63	Dye-sensitized solar cells and complexes between pyridines and iodines. A NMR, IR and DFT study. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2012, 98, 247-251.	2.0	11
64	On the spin distribution in the monoprotonated 1,4-Benzosemiquinone radical. <i>Chemical Physics Letters</i> , 1976, 44, 543-546.	1.2	10
65	Linear combination of walsh orbitals in tris- β -homobenzenes. <i>Tetrahedron</i> , 1979, 35, 1385-1389.	1.0	10
66	Evidence for through-bond interaction between mutually perpendicular PI systems. <i>Tetrahedron Letters</i> , 1983, 24, 1149-1152.	0.7	10
67	The molecular and electronic structure of dibenzo[g,p]chrysene: A twisted case. <i>Theoretica Chimica Acta</i> , 1994, 89, 301-309.	0.9	10
68	Molecular and vibrational structure of anthralin. Infrared linear dichroism spectroscopy and quantum chemical calculations. <i>Journal of Molecular Structure</i> , 1999, 475, 131-140.	1.8	10
69	Photochromism in p-methylbenzoylthioacetone and related β^2 -thioxoketones. <i>Chemical Physics</i> , 2007, 338, 11-22.	0.9	10
70	Polarized Absorption and Photoelectron Spectra of Aceheptylene, 3,5- β -Dimethylaceheptylene and 3,5,8,10- β -Tetramethylaceheptylene. <i>Zeitschrift Fur Elektrotechnik Und Elektrochemie</i> , 1976, 80, 532-536.	0.9	9
71	Electronic Interactions of Cyclopropyl Groups: Synthesis and Photoelectron Spectra of Model Compounds Derived from Triasterane, Nortricyclane and Norbornane. <i>Israel Journal of Chemistry</i> , 1989, 29, 153-164.	1.0	9
72	Photochromism and polarization spectroscopy of p-methyl(thiobenzoyl)acetone. <i>Chemical Physics</i> , 2006, 328, 205-215.	0.9	9

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73	Electronic states of the fluorophore 9,10-bis(phenylethynyl)anthracene (BPEA). A synchrotron radiation linear dichroism investigation. <i>Chemical Physics Letters</i> , 2013, 559, 35-40.	1.2	9
74	The electronic transitions of dibenzothiophene: linear dichroism spectroscopy and quantum chemical calculations. <i>Journal of Molecular Structure</i> , 2003, 661-662, 603-610.	1.8	8
75	Molecular and vibrational structure of the extracellular bacterial signal compound N-buteryl-homoserine lactone (C4-HSL). <i>Vibrational Spectroscopy</i> , 2009, 49, 237-241.	1.2	8
76	The Electronic Structure of Azuleno[1,2,3-cd]phenalene and Azuleno[5,6,7-cd]phenalene, a Comparison. <i>Helvetica Chimica Acta</i> , 1976, 59, 1459-1468.	1.0	7
77	Assignment of the hyperfine constants of the 1,2-benzosemiquinone radical anion: Comment on 'INDO studies on the structure of benzosemiquinone radicals?'. <i>International Journal of Quantum Chemistry</i> , 1980, 18, 365-367.	1.0	7
78	On the molecular and vibrational structure of 1,6,6a-trithiapentalenes. Analysis of the 'œbell-clapper™' asymmetrical S-S stretching mode. <i>Physical Chemistry Chemical Physics</i> , 2001, 3, 908-916.	1.3	7
79	ELECTRONIC STATES OF ANTHANTHRENE. LINEAR AND MAGNETIC CIRCULAR DICHROISM, FLUORESCENCE ANISOTROPY, AND QUANTUM CHEMICAL CALCULATIONS. <i>Polycyclic Aromatic Compounds</i> , 2005, 25, 23-45.	1.4	7
80	High-Resolution Spectroscopic Study of Matrix-Isolated Reactive Intermediates: Vibrational Assignments for 3-Fluoro-o-Benzynes and Perfluoro-o-Benzynes. <i>Journal of Physical Chemistry A</i> , 2002, 106, 6730-6737.	1.1	6
81	Vacuum UV Polarization Spectroscopy of p-Terphenyl. <i>Journal of Physical Chemistry A</i> , 2018, 122, 184-191.	1.1	6
82	Electronic states of 1,6,6a-trithiapentalene and its 2,5-dimethyl and 2,5-diphenyl derivatives. Ultraviolet-visible linear dichroism spectroscopy and time-dependent density functional theory calculations. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2002, 58, 2245-2255.	2.0	5
83	Electronic states of Myricetin. UV-Vis polarization spectroscopy and quantum chemical calculations. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2017, 173, 182-187.	2.0	5
84	Hydrogen bonding between ethynyl aromates and triethylamine: IR spectroscopic and computational study. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2019, 209, 288-294.	2.0	5
85	Electronic states of dibenzo-p-dioxin. A synchrotron radiation linear dichroism investigation. <i>Chemical Physics</i> , 2019, 519, 64-68.	0.9	5
86	On the structure of semiquinone radicals. <i>Journal of Molecular Structure</i> , 1979, 51, 301-304.	1.8	4
87	Polarized infrared spectra of 1,4-dihydroxy-9,10-anthraquinone aligned in stretched polyethylene. <i>Spectrochimica Acta Part A: Molecular Spectroscopy</i> , 1989, 45, 431-435.	0.1	4
88	The vibrational structure of (E,E)-1,4-diphenyl-1,3-butadiene. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2006, 65, 770-778.	2.0	4
89	Ultraviolet-Visible Linear Dichroism of Leucoquinizarin Aligned in Stretched Polyethylene.. <i>Acta Chemica Scandinavica</i> , 1993, 47, 419-421.	0.7	4
90	Solvent sensitivities of the hyperfine constants of methyl- and t-butyl-substituted 1,4-benzosemiquinones. <i>Journal of Magnetic Resonance</i> , 1975, 18, 383-389.	0.5	3

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91	Molecular and vibrational structure of thiosulfonate S-esters. Journal of Molecular Structure, 2013, 1049, 165-171.	1.8	3
92	The MINDO/3 structure of bicyclo [6.2.0] decapentaene. Computational and Theoretical Chemistry, 1983, 104, 495-496.	1.5	2
93	Photoelectron Spectra of Some Reduction Products of [2.2]Paracyclophane. Chemische Berichte, 1984, 117, 1987-1990.	0.2	2
94	NMR and IR Spectroscopy of Phenols. , 0, , 333-393.		2
95	UV synchrotron radiation linear dichroism spectroscopy of the anti-psoriatic drug anthralin. , 0, 1, e5.		2
96	NMR and IR Spectroscopy of Phenols. ChemInform, 2005, 36, no.	0.1	1
97	2-Ethynylpyridine dimers: IR spectroscopic and computational study. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2018, 195, 41-46.	2.0	1
98	Dibenzo-p-dioxin. Twisted and puckered excited state molecular geometries. Computational and Theoretical Chemistry, 2019, 1164, 112551.	1.1	1
99	UV polarisation spectroscopy of 1,4-diethynylbenzene. Molecular Physics, 2021, 119, .	0.8	1
100	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
101	Semiquinone radical anions derived from 2,3-dimethylchryszin, 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
102	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
103	Linear Dichroism, Instrumentation. , 1999, , 1176-1178.		0
104	Linear Dichroism, Applications. , 1999, , 1169-1175.		0
105	Linear Dichroism, Applications*. , 1999, , 1340-1345.		0
106	Linear Dichroism, Instrumentation*. , 1999, , 1346-1348.		0