

Ronald L Christensen

List of Publications by Year in descending order

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40
papers

2,016
citations

218677

26
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345221

36
g-index

40
all docs

40
docs citations

40
times ranked

1057
citing authors

#	ARTICLE	IF	CITATIONS
1	Electronic energy levels in a homologous series of unsubstituted linear polyenes. Journal of the American Chemical Society, 1980, 102, 1777-1782.	13.7	177
2	LOW RESOLUTION OPTICAL SPECTROSCOPY OF RETINYL POLYENES: LOW LYING ELECTRONIC LEVELS AND SPECTRAL BROADNESS*. Photochemistry and Photobiology, 1973, 18, 293-301.	2.5	123
3	Low-lying electronic states of carotenoids. Biochimica Et Biophysica Acta - Bioenergetics, 1992, 1102, 107-114.	1.0	109
4	Vibronic coupling in polyenes: High resolution optical spectroscopy of 2,10-dimethylundecapentaene. Journal of Chemical Physics, 1975, 63, 1837-1846.	3.0	107
5	Electronic energy levels in long polyenes: S ₂ emission in all-trans-1,3,5,7,9,11,13-tetradecaheptaene. Journal of the American Chemical Society, 1985, 107, 4117-4122.	13.7	103
6	Electronic relaxation in long polyenes. The Journal of Physical Chemistry, 1990, 94, 8118-8124.	2.9	95
7	Experimental confirmation of the dipole forbidden character of the lowest excited singlet state in 1,3,5,7-octatetraene. Journal of Chemical Physics, 1979, 70, 593.	3.0	88
8	Femtosecond Time-Resolved Absorption Spectroscopy of Astaxanthin in Solution and in β -Crustacyanin. Journal of Physical Chemistry A, 2005, 109, 3120-3127.	2.5	80
9	The 2 ¹ A _g state of trans,trans-1,3,5,7-octatetraene in free jet expansions. Journal of Chemical Physics, 1993, 98, 3777-3794.	3.0	77
10	Time-resolved fluorescence anisotropy of perylene. The Journal of Physical Chemistry, 1986, 90, 5960-5967.	2.9	72
11	Fluorescence of gaseous tetraenes and pentaenes. The Journal of Physical Chemistry, 1990, 94, 7429-7434.	2.9	71
12	Fluorescence excitation spectra of the S ₁ states of isolated trienes. Journal of Chemical Physics, 1992, 96, 2412-2415.	3.0	71
13	S ₁ and S ₂ States of Apo- and Diapocarotenes. Journal of Physical Chemistry A, 1999, 103, 2399-2407.	2.5	71
14	Absorption and emission of 2,12-dimethyltridecahexaene. Journal of Chemical Physics, 1981, 74, 4-9.	3.0	62
15	Vibronic coupling in polyenes: High resolution optical spectroscopy of all-trans-2,4,6,8,10,12,14-hexadecaheptaene. Journal of Chemical Physics, 1987, 87, 3360-3365.	3.0	62
16	Spectroscopic and Photochemical Properties of Open-Chain Carotenoids. Journal of Physical Chemistry B, 2002, 106, 2083-2092.	2.6	61
17	Energies of Low-Lying Excited States of Linear Polyenes. Journal of Physical Chemistry A, 2008, 112, 12629-12636.	2.5	57
18	Linear polyenes: models for the spectroscopy and photophysics of carotenoids. Archives of Biochemistry and Biophysics, 2004, 430, 30-36.	3.0	55

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19	EXCITATION SPECTROSCOPY OF RETINAL AND RELATED POLYENES. Photochemistry and Photobiology, 1974, 19, 401-410.	2.5	46
20	Optical Spectroscopy of Long Polyenes. Journal of Physical Chemistry A, 2004, 108, 8229-8236.	2.5	39
21	One- and two-photon fluorescence excitation spectra of the 2^1A_g states of linear tetraenes in free jet expansions. Journal of Chemical Physics, 1995, 102, 4726-4739.	3.0	38
22	Ultrafast excited state relaxation in long-chain polyenes. Chemical Physics, 2010, 373, 115-121.	1.9	37
23	Spectroscopic and dynamical studies of the S1 and S2 states of decatetraene in supersonic molecular beams. Journal of Chemical Physics, 1991, 95, 4739-4750.	3.0	33
24	Synthesis of Oligoenes that Contain up to 15 Double Bonds from 1,6-Heptadiynes. Journal of the American Chemical Society, 2006, 128, 16664-16675.	13.7	32
25	CAROTENOID-TO-BACTERIOCHLOROPHYLL SINGLET ENERGY TRANSFER IN CAROTENOID-INCORPORATED B850 LIGHT-HARVESTING COMPLEXES OF Rhodobacter sphaeroides R-26.1. Photochemistry and Photobiology, 1993, 57, 49-55.	2.5	27
26	Symmetry Control of Radiative Decay in Linear Polyenes: A Low Barriers for Isomerization in the S1 State of Hexadecaheptaene. Journal of the American Chemical Society, 2007, 129, 1769-1775.	13.7	27
27	Time-Resolved Luminescence Anisotropy Studies of the Relaxation Behavior of Polymers. 1. Intramolecular Segmental Relaxation of Poly(methyl methacrylate) and Poly(methyl acrylate) in Dilute Solutions in Dichloromethane. Macromolecules, 1996, 29, 4931-4936.	4.8	25
28	Energetics and Dynamics of the Low-Lying Electronic States of Constrained Polyenes: Implications for Infinite Polyenes. Journal of Physical Chemistry A, 2013, 117, 1449-1465.	2.5	25
29	Effects of hydrogen bonding on the low-lying electronic states of a model polyene aldehyde. Journal of the American Chemical Society, 1990, 112, 1912-1920.	13.7	24
30	Conformational disorder in long polyenes. Journal of Chemical Physics, 2001, 115, 10955-10963.	3.0	24
31	The Electronic States of Carotenoids. , 1999, , 137-159.		21
32	Synthesis and Optical Spectroscopy of Oligo(1,6-heptadiynes) with a Single Basic Structure Prepared through Adamantylimido-Based Molybdenum Wittig and Metathesis Chemistry. Journal of the American Chemical Society, 2009, 131, 13441-13452.	13.7	17
33	Evidence for quantization of the transition state for cis-trans isomerization. Journal of Chemical Physics, 1994, 100, 9269-9271.	3.0	15
34	Optical studies of a simple polyene Schiff base: low-lying electronic levels in the free, hydrogen-bonded, and protonated species. Journal of the American Chemical Society, 1982, 104, 6907-6913.	13.7	10
35	Excited Electronic States, Photochemistry and Photophysics of Carotenoids. , 2008, , 167-188.		9
36	Singlet Energy Transfer from Carotenoids to Bacteriochlorophylls. , 1995, , 373-384.		7

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37	Vibronic coupling in polyenes: High resolution optical spectroscopy of a simple Schiff base. Journal of Chemical Physics, 1984, 80, 2265-2270.	3.0	6
38	A new homogeneous assay system for specific nucleic acid sequences: poly-dA and poly-A detection. Nucleic Acids Research, 1994, 22, 2424-2425.	14.5	6
39	Vibrational spectroscopy and picosecond dynamics of gaseous trienes and tetraenes in S 1 and S 2 electronic states. , 1992, , .		4
40	Spectroscopy and excited state dynamics of nearly infinite polyenes. Physical Chemistry Chemical Physics, 2020, 22, 17867-17879.	2.8	3