

# Ronald L Christensen

## List of Publications by Year in descending order

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40  
papers

2,016  
citations

218677

26  
h-index

345221

36  
g-index

40  
all docs

40  
docs citations

40  
times ranked

1057  
citing authors

#	ARTICLE	IF	CITATIONS
1	Spectroscopy and excited state dynamics of nearly infinite polyenes. <i>Physical Chemistry Chemical Physics</i> , 2020, 22, 17867-17879.	2.8	3
2	Energetics and Dynamics of the Low-Lying Electronic States of Constrained Polyenes: Implications for Infinite Polyenes. <i>Journal of Physical Chemistry A</i> , 2013, 117, 1449-1465.	2.5	25
3	Ultrafast excited state relaxation in long-chain polyenes. <i>Chemical Physics</i> , 2010, 373, 115-121.	1.9	37
4	Synthesis and Optical Spectroscopy of Oligo(1,6-heptadiynes) with a Single Basic Structure Prepared through Adamantylimido-Based Molybdenum Wittig and Metathesis Chemistry. <i>Journal of the American Chemical Society</i> , 2009, 131, 13441-13452.	13.7	17
5	Energies of Low-Lying Excited States of Linear Polyenes. <i>Journal of Physical Chemistry A</i> , 2008, 112, 12629-12636.	2.5	57
6	Excited Electronic States, Photochemistry and Photophysics of Carotenoids. , 2008, , 167-188.		9
7	Symmetry Control of Radiative Decay in Linear Polyenes: A Low Barriers for Isomerization in the S <sub>1</sub> State of Hexadecaheptaene. <i>Journal of the American Chemical Society</i> , 2007, 129, 1769-1775.	13.7	27
8	Synthesis of Oligoenes that Contain up to 15 Double Bonds from 1,6-Heptadiynes. <i>Journal of the American Chemical Society</i> , 2006, 128, 16664-16675.	13.7	32
9	Femtosecond Time-Resolved Absorption Spectroscopy of Astaxanthin in Solution and in $\beta$ -Crustacyanin. <i>Journal of Physical Chemistry A</i> , 2005, 109, 3120-3127.	2.5	80
10	Optical Spectroscopy of Long Polyenes. <i>Journal of Physical Chemistry A</i> , 2004, 108, 8229-8236.	2.5	39
11	Linear polyenes: models for the spectroscopy and photophysics of carotenoids. <i>Archives of Biochemistry and Biophysics</i> , 2004, 430, 30-36.	3.0	55
12	Spectroscopic and Photochemical Properties of Open-Chain Carotenoids. <i>Journal of Physical Chemistry B</i> , 2002, 106, 2083-2092.	2.6	61
13	Conformational disorder in long polyenes. <i>Journal of Chemical Physics</i> , 2001, 115, 10955-10963.	3.0	24
14	S <sub>1</sub> and S <sub>2</sub> States of Apo- and Diapocarotenes. <i>Journal of Physical Chemistry A</i> , 1999, 103, 2399-2407.	2.5	71
15	The Electronic States of Carotenoids. , 1999, , 137-159.		21
16	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. <i>Macromolecules</i> , 1996, 29, 4931-4936.	4.8	25
17	One- and two-photon fluorescence excitation spectra of the 2 <sup>nd</sup> 1Ag states of linear tetraenes in free jet expansions. <i>Journal of Chemical Physics</i> , 1995, 102, 4726-4739.	3.0	38
18	Singlet Energy Transfer from Carotenoids to Bacteriochlorophylls. , 1995, , 373-384.		7

#	ARTICLE	IF	CITATIONS
19	A new homogeneous assay system for specific nucleic acid sequences: poly-dA and poly-A detection. <i>Nucleic Acids Research</i> , 1994, 22, 2424-2425.	14.5	6
20	Evidence for quantization of the transition state for cis $\leftrightarrow$ trans isomerization. <i>Journal of Chemical Physics</i> , 1994, 100, 9269-9271.	3.0	15
21	CAROTENOID-TO-BACTERIOCHLOROPHYLL SINGLET ENERGY TRANSFER IN CAROTENOID-INCORPORATED B850 LIGHT-HARVESTING COMPLEXES OF <i>Rhodobacter sphaeroides</i> R-26.1. <i>Photochemistry and Photobiology</i> , 1993, 57, 49-55.	2.5	27
22	The 2 $\pi$ 1Ag state of trans,trans $\beta$ , $\gamma$ -octatetraene in free jet expansions. <i>Journal of Chemical Physics</i> , 1993, 98, 3777-3794.	3.0	77
23	Fluorescence excitation spectra of the S1 states of isolated trienes. <i>Journal of Chemical Physics</i> , 1992, 96, 2412-2415.	3.0	71
24	Vibrational spectroscopy and picosecond dynamics of gaseous trienes and tetraenes in S1 and S2 electronic states. , 1992, , .		4
25	Low-lying electronic states of carotenoids. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 1992, 1102, 107-114.	1.0	109
26	Spectroscopic and dynamical studies of the S1 and S2 states of decatetraene in supersonic molecular beams. <i>Journal of Chemical Physics</i> , 1991, 95, 4739-4750.	3.0	33
27	Effects of hydrogen bonding on the low-lying electronic states of a model polyene aldehyde. <i>Journal of the American Chemical Society</i> , 1990, 112, 1912-1920.	13.7	24
28	Fluorescence of gaseous tetraenes and pentaenes. <i>The Journal of Physical Chemistry</i> , 1990, 94, 7429-7434.	2.9	71
29	Electronic relaxation in long polyenes. <i>The Journal of Physical Chemistry</i> , 1990, 94, 8118-8124.	2.9	95
30	Vibronic coupling in polyenes: High resolution optical spectroscopy of all $\beta$ -trans $\beta$ , $\gamma$ , $\delta$ , $\epsilon$ , $\zeta$ , $\eta$ , $\theta$ -hexadecaheptaene. <i>Journal of Chemical Physics</i> , 1987, 87, 3360-3365.	3.0	62
31	Time-resolved fluorescence anisotropy of perylene. <i>The Journal of Physical Chemistry</i> , 1986, 90, 5960-5967.	2.9	72
32	Electronic energy levels in long polyenes: S2 $\rightarrow$ S0 emission in all-trans-1,3,5,7,9,11,13-tetradecaheptaene. <i>Journal of the American Chemical Society</i> , 1985, 107, 4117-4122.	13.7	103
33	Vibronic coupling in polyenes: High resolution optical spectroscopy of a simple Schiff base. <i>Journal of Chemical Physics</i> , 1984, 80, 2265-2270.	3.0	6
34	Optical studies of a simple polyene Schiff base: low-lying electronic levels in the free, hydrogen-bonded, and protonated species. <i>Journal of the American Chemical Society</i> , 1982, 104, 6907-6913.	13.7	10
35	Absorption and emission of 2,12 $\beta$ -dimethyltridecahexaene. <i>Journal of Chemical Physics</i> , 1981, 74, 4-9.	3.0	62
36	Electronic energy levels in a homologous series of unsubstituted linear polyenes. <i>Journal of the American Chemical Society</i> , 1980, 102, 1777-1782.	13.7	177

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37	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
38	Vibronic coupling in polyenes: High resolution optical spectroscopy of 2,10-dimethylundecapentaene. Journal of Chemical Physics, 1975, 63, 1837-1846.	3.0	107
39	EXCITATION SPECTROSCOPY OF RETINAL AND RELATED POLYENES. Photochemistry and Photobiology, 1974, 19, 401-410.	2.5	46
40	LOW RESOLUTION OPTICAL SPECTROSCOPY OF RETINYL POLYENES: LOW LYING ELECTRONIC LEVELS AND SPECTRAL BROADNESS*. Photochemistry and Photobiology, 1973, 18, 293-301.	2.5	123