

# Roger H Bisby

## List of Publications by Year in descending order

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60  
papers

1,449  
citations

331670

21  
h-index

345221

36  
g-index

62  
all docs

62  
docs citations

62  
times ranked

1637  
citing authors

#	ARTICLE	IF	CITATIONS
1	Reaction of Ascorbate with the $\alpha$ -Tocopheroxyl Radical in Micellar and Bilayer Membrane Systems. Archives of Biochemistry and Biophysics, 1995, 317, 170-178.	3.0	130
2	Quenching of Singlet Oxygen by Trolox C, Ascorbate, and Amino Acids: Effects of pH and Temperature. Journal of Physical Chemistry A, 1999, 103, 7454-7459.	2.5	114
3	Wavelength-Programmed Solute Release from Photosensitive Liposomes. Biochemical and Biophysical Research Communications, 2000, 276, 169-173.	2.1	103
4	Effect of antioxidant oxidation potential in the oxygen radical absorption capacity (ORAC) assay. Food Chemistry, 2008, 108, 1002-1007.	8.2	82
5	Active Uptake of Drugs into Photosensitive Liposomes and Rapid Release on UV Photolysis. Photochemistry and Photobiology, 2000, 72, 57.	2.5	68
6	Reactions of the $\alpha$ -Tocopheroxyl radical in micellar solutions studied by nanosecond laser flash photolysis. FEBS Letters, 1991, 290, 205-208.	2.8	59
7	Reactions of Excited Triplet Duroquinone with $\alpha$ -Tocopherol and Ascorbate: A Nanosecond Laser Flash Photolysis and Time-Resolved Resonance Raman Investigation. Journal of the American Chemical Society, 1995, 117, 5664-5670.	13.7	51
8	Properties of the radicals formed by one-electron oxidation of acetaminophen: A pulse radiolysis study. Biochemical Pharmacology, 1988, 37, 2731-2738.	4.4	44
9	Real-time cellular uptake of serotonin using fluorescence lifetime imaging with two-photon excitation. Microscopy Research and Technique, 2008, 71, 267-273.	2.2	44
10	New Approaches to Photodynamic Therapy from Types I, II and III to Type IV Using One or More Photons. Anti-Cancer Agents in Medicinal Chemistry, 2017, 17, 171-189.	1.7	42
11	Selective free radical reactions with proteins and enzymes. Reactions of inorganic radical anions with trypsin. Journal of the Chemical Society Faraday Transactions I, 1973, 69, 1608.	1.0	37
12	Time-resolved resonance Raman spectroscopy of the carbonate radical. Journal of the Chemical Society, Faraday Transactions, 1998, 94, 2069-2072.	1.7	37
13	Fast solute release from photosensitive liposomes: an alternative to "caged" reagents for use in biological systems. FEBS Letters, 1995, 375, 113-116.	2.8	36
14	Fast Laser-Induced Solute Release from Liposomes Sensitized with Photochromic Lipid: Effects of Temperature, Lipid Host, and Sensitizer Concentration. Biochemical and Biophysical Research Communications, 1999, 262, 406-410.	2.1	34
15	Photosensitive liposomes as "cages" for laser-triggered solute delivery: the effect of bilayer cholesterol on kinetics of solute release. FEBS Letters, 1999, 463, 165-168.	2.8	31
16	Quenching of reactive oxidative species by probucol and comparison with other antioxidants. Free Radical Biology and Medicine, 1996, 20, 411-420.	2.9	25
17	Formation of singlet oxygen from solutions of vitamin E. Free Radical Research, 2006, 40, 333-338.	3.3	25
18	Kinetic analysis by the method of nonlinear least squares: A reaction involving consecutive steps. Journal of Chemical Education, 1986, 63, 990.	2.3	23

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19	A series of flexible design adaptations to the Nikon Eâ€C1 and Eâ€C2 confocal microscope systems for UV, multiphoton and FLIM imaging. <i>Journal of Microscopy</i> , 2015, 258, 68-78.	1.8	23
20	A pulse radiolysis study of some free radical reactions with erythrocyte membranes. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 1975, 389, 137-144.	2.6	22
21	A time-resolved fluorescence anisotropy study of bilayer membranes containing $\hat{1}\pm$ -tocopherol. <i>Biochemical and Biophysical Research Communications</i> , 1989, 158, 386-391.	2.1	22
22	Fluorescence lifetime imaging of E-combretastatin uptake and distribution in live mammalian cells. <i>European Journal of Cancer</i> , 2012, 48, 1896-1903.	2.8	22
23	Linear energy transfer (LET) effects in the radiation-induced inactivation of papain. <i>Faraday Discussions of the Chemical Society</i> , 1977, 63, 237.	2.2	21
24	Near infrared multiphoton-induced generation and detection of hydroxyl radicals in a biochemical system. <i>Archives of Biochemistry and Biophysics</i> , 2007, 464, 314-321.	3.0	20
25	Anticancer phototherapy using activation of E -combretastatins by two-photonâ€“induced isomerization. <i>Journal of Biomedical Optics</i> , 2014, 20, 051004.	2.6	20
26	Antioxidant Reactions of Dihydrolipoic Acid and Lipoamide with Triplet Duroquinone. <i>Biochemical and Biophysical Research Communications</i> , 1998, 244, 263-267.	2.1	18
27	Time-resolved resonance Raman spectroscopy of $\hat{1}\pm$ -tocopheroxyl and related radicals in solvent, micellar and membrane systems. <i>Journal of the Chemical Society, Faraday Transactions</i> , 1993, 89, 2873-2878.	1.7	17
28	The Carbonate, $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" id="E1"} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:msubsup} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mtext} \rangle \text{Co} \langle \text{mml:mtext} \rangle 3 \langle \text{mml:mtext} \rangle 17 \langle \text{mml:mrow} \rangle$ in Solution Studied by Resonance Raman Spectroscopy. <i>Laser Chemistry</i> , 1999, 19, 311-316.	1.7	17
29	Selective free radical reactions with proteins and enzymes. The inactivation of subtilisin Carlsberg and subtilisin Novo. <i>Journal of the Chemical Society Faraday Transactions I</i> , 1974, 70, 2210.	1.0	16
30	Generation of superoxide and singlet oxygen from $\hat{1}\pm$ -tocopherolquinone and analogues. <i>Free Radical Research</i> , 2007, 41, 730-737.	3.3	16
31	One-Electron Reduction of the Antimalarial Drug Primaquine, Studied by Pulse Radiolysis. <i>Free Radical Research Communications</i> , 1988, 5, 117-124.	1.8	15
32	Reactions of a free radical intermediate in the oxidation of amodiaquine. <i>Biochemical Pharmacology</i> , 1990, 39, 2051-2055.	4.4	15
33	Identification and reactivity of the triplet excited state of 5-hydroxytryptophan. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2005, 78, 245-251.	3.8	14
34	Promising near-infrared non-targeted probes: benzothiazole heptamethine cyanine dyes. <i>Journal of Sulfur Chemistry</i> , 2014, 35, 42-56.	2.0	14
35	Interactions Of Vitamin E With Free Radicals And Membranes. <i>Free Radical Research Communications</i> , 1990, 8, 299-306.	1.8	13
36	Single- and multi-photon excited fluorescence from serotonin complexed with $\hat{1}^2$ -cyclodextrin. <i>Photochemical and Photobiological Sciences</i> , 2006, 5, 122-125.	2.9	13

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37	One-electron oxidation of photo-Fenton reagents and inhibition of lipid peroxidation. <i>Biochemical and Biophysical Research Communications</i> , 2002, 299, 155-159.	2.1	12
38	Three-dimensional imaging and uptake of the anticancer drug combretastatin in cell spheroids and photoisomerization in gels with multiphoton excitation. <i>Journal of Biomedical Optics</i> , 2015, 20, 078003.	2.6	12
39	Investigation of multiphoton-induced fluorescence from solutions of 5-hydroxytryptophan. <i>Photochemical and Photobiological Sciences</i> , 2003, 2, 157.	2.9	11
40	Modulation of Antimalarial Activity at a Putative Bisquinoline Receptor In Vivo Using Fluorinated Bisquinolines. <i>Chemistry - A European Journal</i> , 2017, 23, 6811-6828.	3.3	11
41	Radicals from One-Electron Oxidation of 4-Aminoresorcinol: Models for the Active Site Radical Intermediate in Copper Amine Oxidases. <i>Journal of Physical Chemistry B</i> , 2000, 104, 5832-5839.	2.6	10
42	Nanoscale Hydroxyl Radical Generation from Multiphoton Ionization of Tryptophan. <i>Photochemistry and Photobiology</i> , 2009, 85, 353-357.	2.5	10
43	Time-resolved nanosecond fluorescence lifetime imaging and picosecond infrared spectroscopy of combretastatin A-4 in solution and in cellular systems. <i>Measurement Science and Technology</i> , 2012, 23, 084001.	2.6	10
44	The free radical site in pea seedling copper amine oxidase probed by resonance Raman spectroscopy and generated by photolysis of caged substrate. <i>FEBS Letters</i> , 1996, 380, 183-187.	2.8	7
45	Spectroscopy and fluorescence lifetime imaging in live cells of a cyano-substituted combretastatin. <i>Biomedical Spectroscopy and Imaging</i> , 2014, 3, 211-218.	1.2	7
46	Qinghaosu does not affect the major thermotropic phase transition in model membranes of dipalmitoylphosphatidylcholine. <i>Molecular and Biochemical Parasitology</i> , 1989, 32, 57-60.	1.1	6
47	Influence of charge transfer on the isomerisation of stilbene derivatives for application in cancer therapy. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 27778-27790.	2.8	6
48	Effect of linear energy transfer on the radiation-induced inactivation of dilute aqueous ribonuclease solutions. <i>Journal of the Chemical Society Faraday Transactions I</i> , 1975, 71, 1582.	1.0	5
49	Time-Resolved Resonance Raman Studies of Radicals From 4-Aminoresorcinol as Models for the Active Site Radical Intermediate in Copper Amine Oxidases. <i>Laser Chemistry</i> , 1999, 19, 201-208.	0.5	5
50	Ultrafast Vibrational Spectroscopic Studies on the Photoionization of the $\hat{\pm}$ -Tocopherol Analogue Trolox C. <i>Journal of Physical Chemistry B</i> , 2014, 118, 12087-12097.	2.6	5
51	Charge transfer in trans-combretastatins. <i>Chemical Physics Letters</i> , 2018, 692, 146-151.	2.6	5
52	Structure of the radical from one-electron oxidation of 4-hydroxycinnamate. <i>Free Radical Research</i> , 2001, 35, 85-91.	3.3	4
53	Active Uptake of Drugs into Photosensitive Liposomes and Rapid Release on UV Photolysis. <i>Photochemistry and Photobiology</i> , 2000, 72, 57-61.	2.5	4
54	Synthesis and photophysical properties of meso-aminophenyl-substituted heptamethine dyes as potential leads to new contrast agents. <i>Coloration Technology</i> , 2019, 135, 305-311.	1.5	4

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55	Tunable Picosecond Optical Parametric Amplifiers for Time Resolved Resonance Raman Spectroscopy. <i>Laser Chemistry</i> , 1999, 19, 153-159.	0.5	3
56	A pulse radiolysis study of free radicals formed by one-electron oxidation of the antimalarial drug pyronaridine. <i>Research on Chemical Intermediates</i> , 2009, 35, 363-377.	2.7	3
57	Fluorescence Lifetime Imaging of Propranolol Uptake in Living Glial C6 Cells. <i>Spectroscopy</i> , 2012, 27, 533-540.	0.8	2
58	Radiation-Induced Free Radical Reactions. , 1993, , 31-37.		2
59	Control of Pro-Oxidant Activity of Cupric Ions by Entrapment in Unilamellar Lipid Vesicles. <i>Free Radical Research Communications</i> , 1992, 16, 65-71.	1.8	1
60	Photoreactivity of biologically active compounds. XIX: Excited states and free radicals from the antimalarial drug primaquine. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2009, 94, 147-157.	3.8	1