Vincent Bowry

List of Publications by Year
in descending order

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28 papers	3,545 citations	304602 22 h-index	477173 29 g-index
29 all docs	29 docs citations	29 times ranked	2185 citing authors

#	Article	IF	Citations
1	Tocopherol-mediated peroxidation. The prooxidant effect of vitamin E on the radical-initiated oxidation of human low-density lipoprotein. Journal of the American Chemical Society, 1993, 115, 6029-6044.	6.6	718
2	Kinetics of nitroxide radical trapping. 1. Solvent effects. Journal of the American Chemical Society, 1992, 114, 4983-4992.	6.6	329
3	Kinetics of nitroxide radical trapping. 2. Structural effects. Journal of the American Chemical Society, 1992, 114, 4992-4996.	6.6	326
4	Dietary supplementation with coenzyme Q10 results in increased levels of ubiquinol-10 within circulating lipoproteins and increased resistance of human low-density lipoprotein to the initiation of lipid peroxidation. Lipids and Lipid Metabolism, 1992, 1126, 247-254.	2.6	278
5	Calibration of a new horology of fast radical clocks. Ring-opening rates for ring- and .alpha.-alkyl-substituted cyclopropylcarbinyl radicals and for the bicyclo[2.1.0]pent-2-yl radical. Journal of the American Chemical Society, 1991, 113, 5687-5698.	6.6	223
6	The Unexpected Role of Vitamin E (Î±-Tocopherol) in the Peroxidation of Human Low-Density Lipoprotein. Accounts of Chemical Research, 1999, 32, 27-34.	7.6	198
7	Prevention of Tocopherol-mediated Peroxidation in Ubiquinol-10-free Human Low Density Lipoprotein. Journal of Biological Chemistry, 1995, 270, 5756-5763.	1.6	186
8	Kinetics of the coupling reactions of the nitroxyl radical 1,1,3,3-tetramethylisoindoline-2-oxyl with carbon-centered radicals. Journal of Organic Chemistry, 1988, 53, 1632-1641.	1.7	165
9	The Complex Chemistry of Peroxynitrite Decomposition:Â New Insights1. Journal of the American Chemical Society, 1998, 120, 7211-7219.	6.6	162
10	A radical clock investigation of microsomal cytochrome P-450 hydroxylation of hydrocarbons. Rate of oxygen rebound. Journal of the American Chemical Society, 1991, 113, 5699-5707.	6.6	138
11	The Mechanism of Bu3SnH-Mediated Homolytic Aromatic Substitution. Angewandte Chemie - International Edition, 2004, 43, 95-98.	7.2	126
12	Absolute Rate Constant for the Reaction of Aryl Radicals with Tri-n-butyltin Hydride1. Journal of Organic Chemistry, 1996, 61, 805-809.	1.7	93
13	Kinetics of Reactions of Cyclopropylcarbinyl Radicals and Alkoxycarbonyl Radicals Containing Stabilizing Substituents: Implications for Their Use as Radical Clocks. Journal of the American Chemical Society, 1994, 116, 2710-2716.	6.6	89
14	Kinetics and regioselectivity of ring opening of substituted cyclopropylmethyl radicals. Journal of Organic Chemistry, 1989, 54, 2681-2688.	1.7	77
15	Calibration of a fast benzylic radical clock reaction. Journal of Organic Chemistry, 1992, 57, 4284-4287.	1.7	73
16	Extraordinary Kinetic Behavior of the .alpha.-Tocopheroxyl (Vitamin E) Radical. Journal of Organic Chemistry, 1995, 60, 5456-5467.	1.7	72
17	Inverse deuterium kinetic isotope effect for peroxidation in human low-density lipoprotein (LDL): a simple test for tocopherol-mediated peroxidation of LDL lipids. FEBS Letters, 1995, 375, 45-49.	1.3	68
18	Calibration of the bicyclo[2.1.0]pent-2-yl radical ring opening and an oxygen rebound rate constant for cytochrome P-450. Journal of the American Chemical Society, 1989, 111, 1927-1928.	6.6	38

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19	The Reaction of Thiyl Radical with Methyl Linoleate: Completing the Picture. Journal of the American Chemical Society, 2017, 139, 4704-4714.	6.6	35
20	Kinetic data for coupling of primary alkyl radicals with a stable nitroxide. Journal of the Chemical Society Chemical Communications, 1986, , 1003.	2.0	27
21	Ring closure of the 6-methylenecyclodecyl radical. Tetrahedron, 1991, 47, 121-130.	1.0	25
22	Why Are Organotin Hydride Reductions of Organic Halides So Frequently Retarded? Kinetic Studies, Analyses, and a Few Remedies. Journal of Organic Chemistry, 2015, 80, 1321-1331.	1.7	17
23	Calibration of very fast alkyl radical 'clock' rearrangements using nitroxides. Pure and Applied Chemistry, 1990, 62, 213-216.	0.9	14
24	Why Not Trans? Inhibited Radical Isomerization Cycles and Coupling Chains of Lipids and Alkenes with Alkane-thiols. Journal of Organic Chemistry, 2018, 83, 9178-9189.	1.7	14
25	Arm-to-Arm Autoxidation in a Triglyceride: Remote Group Reaction Kinetics. Journal of Organic Chemistry, 1994, 59, 2250-2252.	1.7	11
26	Loss oftransâ€resveratrol during storage and ageing of red wines. Australian Journal of Grape and Wine Research, 2020, 26, 385-387.	1.0	7
27	Radical Arene Addition vs Radical Reduction: Why Organometal Hydride Chain Reactions Stop and How To Make Them Go. Journal of Organic Chemistry, 2018, 83, 10037-10050.	1.7	5
28	The antimicrobial efficacy of Fijian honeys against clinical isolates from diabetic foot ulcers. Journal of ApiProduct and ApiMedical Science, 2009, 1, 64-71.	0.4	3