

# Robert S Parker

## List of Publications by Year in descending order

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55  
papers

3,807  
citations

136740

32  
h-index

161609

54  
g-index

56  
all docs

56  
docs citations

56  
times ranked

3034  
citing authors

#	ARTICLE	IF	CITATIONS
1	Absorption, metabolism, and transport of carotenoids. <i>FASEB Journal</i> , 1996, 10, 542-551.	0.2	632
2	Cytochrome P450 $\beta$ -Hydroxylase Pathway of Tocopherol Catabolism. <i>Journal of Biological Chemistry</i> , 2002, 277, 25290-25296.	1.6	407
3	Carotenoids in Human Blood and Tissues. <i>Journal of Nutrition</i> , 1989, 119, 101-104.	1.3	231
4	Cytochrome P450 $\beta$ -Dependent Metabolism of Tocopherols and Inhibition by Sesamin. <i>Biochemical and Biophysical Research Communications</i> , 2000, 277, 531-534.	1.0	190
5	Influence of major structural features of tocopherols and tocotrienols on their $\beta$ -oxidation by tocopherol- $\beta$ -hydroxylase. <i>Journal of Lipid Research</i> , 2007, 48, 1090-1098.	2.0	164
6	The Influence of Carotenoid Acquisition and Utilization on the Maintenance of Species-typical Plumage Pigmentation in Male American Goldfinches ( <i>Carduelis tristis</i> ) and Northern Cardinals ( <i>Cardinalis</i> ) <i>Tj ETQqO 0 0 rgBT, Overlock 12 Tf 50</i>	0.6	140
7	Bioavailability of carotenoids in human subjects. <i>Proceedings of the Nutrition Society</i> , 1999, 58, 155-162.	0.4	133
8	Elytra color as a signal of chemical defense in the Asian ladybird beetle <i>Harmonia axyridis</i> . <i>Behavioral Ecology and Sociobiology</i> , 2007, 61, 1401-1408.	0.6	121
9	The physiological costs of being colourful: nutritional control of carotenoid utilization in the American goldfinch, <i>Carduelis tristis</i> . <i>Animal Behaviour</i> , 2005, 69, 653-660.	0.8	93
10	DIET, PLASMA CAROTENOIDS, AND SEXUAL COLORATION IN THE ZEBRA FINCH ( <i>TAENIOPYGIA GUTTATA</i> ). <i>Auk</i> , 2003, 120, 400.	0.7	88
11	Cereal Alkylresorcinols Elevate $\beta$ -Tocopherol Levels in Rats and Inhibit $\beta$ -Tocopherol Metabolism In Vitro. <i>Journal of Nutrition</i> , 2004, 134, 506-510.	1.3	85
12	You Can't Judge a Pigment by its Color: Carotenoid and Melanin Content of Yellow and Brown Feathers in Swallows, Bluebirds, Penguins, and Domestic Chickens. <i>Condor</i> , 2004, 106, 390-395.	0.7	83
13	YOU CAN'T JUDGE A PIGMENT BY ITS COLOR: CAROTENOID AND MELANIN CONTENT OF YELLOW AND BROWN FEATHERS IN SWALLOWS, BLUEBIRDS, PENGUINS, AND DOMESTIC CHICKENS. <i>Condor</i> , 2004, 106, 390.	0.7	79
14	$\beta$ - and $\beta$ -Carotene from a Commercial Carrot Puree Are More Bioavailable to Humans than from Boiled-Mashed Carrots, as Determined Using an Extrinsic Stable Isotope Reference Method. <i>Journal of Nutrition</i> , 2002, 132, 159-167.	1.3	72
15	Sexual dichromatism in the yellow-breasted chat <i>Icteria virens</i> : spectrophotometric analysis and biochemical basis. <i>Journal of Avian Biology</i> , 2004, 35, 125-134.	0.6	66
16	A simple and inexpensive chemical test for behavioral ecologists to determine the presence of carotenoid pigments in animal tissues. <i>Behavioral Ecology and Sociobiology</i> , 2005, 57, 391-397.	0.6	64
17	A novel lipoprotein-mediated mechanism controlling sexual attractiveness in a colorful songbird. <i>Physiology and Behavior</i> , 2006, 87, 103-108.	1.0	64
18	Study of $\beta$ -Carotene Metabolism in Humans Using $^{13}\text{C}$ - $\beta$ -Carotene and High Precision Isotope Ratio Mass Spectrometry. <i>Annals of the New York Academy of Sciences</i> , 1993, 691, 86-95.	1.8	63

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19	A Novel 5 $\alpha$ -Carboxychroman Metabolite of $\hat{\gamma}$ -Tocopherol Secreted by HepG2 Cells and Excreted in Human Urine. <i>Biochemical and Biophysical Research Communications</i> , 2000, 269, 580-583.	1.0	61
20	Antioxidant activity of dietary canthaxanthin. <i>Nutrition and Cancer</i> , 1989, 12, 225-236.	0.9	59
21	Dietary flavonoids with a catechol structure increase $\hat{\gamma}$ -tocopherol in rats and protect the vitamin from oxidation in vitro. <i>Journal of Lipid Research</i> , 2006, 47, 2718-2725.	2.0	59
22	Disruption of Mouse Cytochrome P450 4f14 (Cyp4f14 Gene) Causes Severe Perturbations in Vitamin E Metabolism. <i>Journal of Biological Chemistry</i> , 2012, 287, 26077-26086.	1.6	59
23	Subcellular distribution of dietary $\hat{\beta}$ -carotene in chick liver. <i>Lipids</i> , 1986, 21, 164-169.	0.7	55
24	Discovery, Characterization, and Significance of the Cytochrome P450 $\hat{\gamma}$ -Hydroxylase Pathway of Vitamin E Catabolism. <i>Annals of the New York Academy of Sciences</i> , 2004, 1031, 13-21.	1.8	55
25	Differential Accumulation and Pigmenting Ability of Dietary Carotenoids in Colorful Finches. <i>Physiological and Biochemical Zoology</i> , 2004, 77, 484-491.	0.6	55
26	A novel extrinsic reference method for assessing the vitamin A value of plant foods. <i>American Journal of Clinical Nutrition</i> , 2001, 74, 348-355.	2.2	52
27	Disruption of P450-mediated vitamin E hydroxylase activities alters vitamin E status in tocopherol supplemented mice and reveals extra-hepatic vitamin E metabolism. <i>Journal of Lipid Research</i> , 2012, 53, 2667-2676.	2.0	47
28	Effect of UV Exposure and $\hat{\beta}$ -Carotene Supplementation on Delayed-Type Hypersensitivity Response in Healthy Older Men. <i>Journal of the American College of Nutrition</i> , 1998, 17, 617-624.	1.1	46
29	Long-Chain Carboxychromanols Are the Major Metabolites of Tocopherols and Tocotrienols in A549 Lung Epithelial Cells but Not HepG2 Cells. <i>Journal of Nutrition</i> , 2005, 135, 227-232.	1.3	46
30	Common Variants of Cytochrome P450 4F2 Exhibit Altered Vitamin E $\hat{\gamma}$ -Hydroxylase Specific Activity. <i>Journal of Nutrition</i> , 2010, 140, 1901-1906.	1.3	45
31	Carotenoid Pigments in a Mutant Cardinal: Implications for the Genetic and Enzymatic Control Mechanisms of Carotenoid Metabolism in Birds. <i>Condor</i> , 2003, 105, 587-592.	0.7	36
32	The Cytotoxicity of Vitamin E Is Both Vitamer- and Cell-Specific and Involves a Selectable Trait. <i>Journal of Nutrition</i> , 2004, 134, 3335-3342.	1.3	35
33	Bioavailability and vitamin A value of carotenes from red palm oil assessed by an extrinsic isotope reference method. <i>Asia Pacific Journal of Clinical Nutrition</i> , 2002, 11, S438-S442.	0.3	34
34	Green Tea, Cocoa, and Red Wine Polyphenols Moderately Modulate Intestinal Inflammation and Do Not Increase High-Density Lipoprotein (HDL) Production. <i>Journal of Agricultural and Food Chemistry</i> , 2014, 62, 2228-2232.	2.4	33
35	CAROTENOID PIGMENTS IN A MUTANT CARDINAL: IMPLICATIONS FOR THE GENETIC AND ENZYMATI CONTROL MECHANISMS OF CAROTENOID METABOLISM IN BIRDS. <i>Condor</i> , 2003, 105, 587.	0.7	29
36	Dietary (+)-Catechin and BHT Markedly Increase $\hat{\gamma}$ -Tocopherol Concentrations in Rats by a Tocopherol $\hat{\gamma}$ -Hydroxylase-Independent Mechanism. <i>Journal of Nutrition</i> , 2003, 133, 3195-3199.	1.3	28

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37	[12] Assessing metabolism of $\hat{2}$ - $[^{13}\text{C}]$ carotene using high-precision isotope ratio mass spectrometry. <i>Methods in Enzymology</i> , 1997, 282, 130-140.	0.4	26
38	Selective accumulation of $\hat{1}$ -tocopherol in <i>Drosophila</i> is associated with cytochrome P450 tocopherol- $\hat{1}$ -hydroxylase activity but not $\hat{1}$ -tocopherol transfer protein. <i>Biochemical and Biophysical Research Communications</i> , 2005, 338, 1537-1541.	1.0	23
39	Vitamin E Secretion by Caco-2 Monolayers to APOA1, but Not to HDL, Is Vitamer Selective. <i>Journal of Nutrition</i> , 2013, 143, 1565-1572.	1.3	21
40	Evidence of a Role for Fat-Free Body Mass in Modulation of Plasma Carotenoid Concentrations in Older Men: Studies with Hydrodensitometry, ,. <i>Journal of Nutrition</i> , 1997, 127, 321-326.	1.3	18
41	Turnover of label from $[1-^{14}\text{C}]$ linolenic acid in phospholipids of coho salmon, <i>Oncorhynchus kisutch</i> . <i>Lipids</i> , 1980, 15, 80-85.	0.7	16
42	cis-Canthaxanthin and other carotenoid-like compounds in canthaxanthin preparations. <i>Journal of Agricultural and Food Chemistry</i> , 1988, 36, 478-482.	2.4	13
43	$\hat{1}$ -Hydroxylation of $\hat{1}$ -tocopheryl quinone reveals a dual function for cytochrome P450-4F2 in vitamin E metabolism. <i>Bioorganic and Medicinal Chemistry</i> , 2018, 26, 5555-5565.	1.4	12
44	Isomer-specific effects of conjugated linoleic acid on HDL functionality associated with reverse cholesterol transport. <i>Journal of Nutritional Biochemistry</i> , 2015, 26, 165-172.	1.9	10
45	[9] Analysis of carotenoids in human plasma and tissues. <i>Methods in Enzymology</i> , 1993, 214, 86-93.	0.4	9
46	Experimental Approaches to the Study of $\hat{2}$ -Carotene Metabolism: Potential of A $^{13}\text{C}$ Tracer Approach to Modeling $\hat{2}$ -Carotene Kinetics in Humans. <i>Advances in Food and Nutrition Research</i> , 1996, 40, 55-79.	1.5	9
47	Methodological Considerations in Determining Vitamin A and Carotenoid Bioactivity in Humans. <i>Food and Nutrition Bulletin</i> , 2000, 21, 124-129.	0.5	8
48	Role of Cytochrome P450 Hydroxylase in the Decreased Accumulation of Vitamin E in Muscle from Turkeys Compared to that from Chickens. <i>Journal of Agricultural and Food Chemistry</i> , 2016, 64, 671-680.	2.4	7
49	HPLC analysis of vitamin E by conversion to .alpha.-tocopheryl acetate in samples containing canthaxanthin or other coeluting compounds. <i>Journal of Agricultural and Food Chemistry</i> , 1988, 36, 483-485.	2.4	6
50	Carotenoid photodegradation products and human peripheral blood mononuclear cell function. <i>Nutrition Research</i> , 2001, 21, 581-596.	1.3	6
51	Diet, Plasma Carotenoids, and Sexual Coloration in the Zebra Finch ( <i>Taeniopygia Guttata</i> ). <i>Auk</i> , 2003, 120, 400-410.	0.7	6
52	Carotenoid-depletion diet for use in long-term studies. <i>Journal of the American Dietetic Association</i> , 1993, 93, 812-814.	1.3	3
53	Diet, Plasma Carotenoids, and Sexual Coloration in the Zebra Finch ( <i>Taeniopygia guttata</i> ). <i>Auk</i> , 2003, 120, 400-410.	0.7	2
54	Change in plasma $\hat{1}$ -tocopherol associations with attenuated pulmonary function decline and with CYP4F2 missense variation. <i>American Journal of Clinical Nutrition</i> , 2022, 115, 1205-1216.	2.2	1

#	ARTICLE	IF	CITATIONS
55	To the Editor. Nutrition Reviews, 2008, 65, 139-139.	2.6	0