

Guido R Haenen

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194
papers

12,630
citations

56
h-index

107
g-index

201
ext. papers

13,719
ext. citations

5.1
avg, IF

6.15
L-index

#	Paper	IF	Citations
194	Health effects of quercetin: from antioxidant to nutraceutical. <i>European Journal of Pharmacology</i> , 2008 , 585, 325-37	5.3	1156
193	The pharmacology of the antioxidant lipoic acid. <i>General Pharmacology</i> , 1997 , 29, 315-31		596
192	Applicability of an improved Trolox equivalent antioxidant capacity (TEAC) assay for evaluation of antioxidant capacity measurements of mixtures. <i>Food Chemistry</i> , 1999 , 66, 511-517	8.5	557
191	Oxidants and antioxidants: state of the art. <i>American Journal of Medicine</i> , 1991 , 91, 2S-13S	2.4	371
190	Interactions between flavonoids and proteins: effect on the total antioxidant capacity. <i>Journal of Agricultural and Food Chemistry</i> , 2002 , 50, 1184-7	5.7	348
189	Flavonoids as scavengers of nitric oxide radical. <i>Biochemical and Biophysical Research Communications</i> , 1995 , 214, 755-9	3.4	283
188	Peroxynitrite scavenging by flavonoids. <i>Biochemical and Biophysical Research Communications</i> , 1997 , 236, 591-3	3.4	260
187	Flavonoids as peroxynitrite scavengers: the role of the hydroxyl groups. <i>Toxicology in Vitro</i> , 2001 , 15, 3-6	3.6	251
186	Biomarkers. <i>Molecular Aspects of Medicine</i> , 2002 , 23, 101-208	16.7	233
185	Bioavailability and metabolism. <i>Molecular Aspects of Medicine</i> , 2002 , 23, 39-100	16.7	205
184	The antioxidant activity of phloretin: the disclosure of a new antioxidant pharmacophore in flavonoids. <i>Biochemical and Biophysical Research Communications</i> , 2002 , 295, 9-13	3.4	205
183	Antioxidant capacity of reaction products limits the applicability of the Trolox Equivalent Antioxidant Capacity (TEAC) assay. <i>Food and Chemical Toxicology</i> , 2004 , 42, 45-9	4.7	191
182	Flavonoids can replace alpha-tocopherol as an antioxidant. <i>FEBS Letters</i> , 2000 , 473, 145-8	3.8	189
181	Bioprocessing of wheat bran improves in vitro bioaccessibility and colonic metabolism of phenolic compounds. <i>Journal of Agricultural and Food Chemistry</i> , 2009 , 57, 6148-55	5.7	187
180	Masking of antioxidant capacity by the interaction of flavonoids with protein. <i>Food and Chemical Toxicology</i> , 2001 , 39, 787-91	4.7	171
179	Interplay between lipoic acid and glutathione in the protection against microsomal lipid peroxidation. <i>Lipids and Lipid Metabolism</i> , 1988 , 963, 558-61		170
178	In vitro and ex vivo anti-inflammatory activity of quercetin in healthy volunteers. <i>Nutrition</i> , 2008 , 24, 703-10	4.8	168

177	Genotoxic effects of neutrophils and hypochlorous acid. <i>Mutagenesis</i> , 2010 , 25, 149-54	2.8	166
176	A new approach to assess the total antioxidant capacity using the TEAC assay. <i>Food Chemistry</i> , 2004 , 88, 567-570	8.5	166
175	Bioavailability of ferulic acid is determined by its bioaccessibility. <i>Journal of Cereal Science</i> , 2009 , 49, 296-300	3.8	158
174	The quercetin paradox. <i>Toxicology and Applied Pharmacology</i> , 2007 , 222, 89-96	4.6	157
173	Protection of flavonoids against lipid peroxidation: the structure activity relationship revisited. <i>Free Radical Research</i> , 2002 , 36, 575-81	4	153
172	Bioprocessing of wheat bran in whole wheat bread increases the bioavailability of phenolic acids in men and exerts antiinflammatory effects ex vivo. <i>Journal of Nutrition</i> , 2011 , 141, 137-43	4.1	150
171	Quercetin reduces markers of oxidative stress and inflammation in sarcoidosis. <i>Clinical Nutrition</i> , 2011 , 30, 506-12	5.9	149
170	Protection against lipid peroxidation by a microsomal glutathione-dependent labile factor. <i>FEBS Letters</i> , 1983 , 159, 24-8	3.8	141
169	Protection against nitric oxide toxicity by tea. <i>Journal of Agricultural and Food Chemistry</i> , 2000 , 48, 5768-72	3.7	138
168	Hyperglycaemia-induced impairment of endothelium-dependent vasorelaxation in rat mesenteric arteries is mediated by intracellular methylglyoxal levels in a pathway dependent on oxidative stress. <i>Diabetologia</i> , 2010 , 53, 989-1000	10.3	137
167	Oxidized quercetin reacts with thiols rather than with ascorbate: implication for quercetin supplementation. <i>Biochemical and Biophysical Research Communications</i> , 2003 , 308, 560-5	3.4	131
166	Peroxynitrite scavenging of flavonoids: structure activity relationship. <i>Environmental Toxicology and Pharmacology</i> , 2001 , 10, 199-206	5.8	120
165	New insights into controversies on the antioxidant potential of the olive oil antioxidant hydroxytyrosol. <i>Journal of Agricultural and Food Chemistry</i> , 2007 , 55, 7609-14	5.7	118
164	Ten misconceptions about antioxidants. <i>Trends in Pharmacological Sciences</i> , 2013 , 34, 430-6	13.2	116
163	Dry-fractionation of wheat bran increases the bioaccessibility of phenolic acids in breads made from processed bran fractions. <i>Food Research International</i> , 2010 , 43, 1429-1438	7	114
162	Lipoic acid: a multifunctional antioxidant. <i>BioFactors</i> , 2003 , 17, 207-13	6.1	111
161	Stability of blood (pro)vitamins during four years of storage at -20 degrees C: consequences for epidemiologic research. <i>Journal of Clinical Epidemiology</i> , 1995 , 48, 1077-85	5.7	103
160	Tetrahydrofolate and 5-methyltetrahydrofolate are folates with high antioxidant activity. Identification of the antioxidant pharmacophore. <i>FEBS Letters</i> , 2003 , 555, 601-5	3.8	102

159	A critical appraisal of the use of the antioxidant capacity (TEAC) assay in defining optimal antioxidant structures. <i>Food Chemistry</i> , 2003 , 80, 409-414	8.5	101
158	A vegetable/fruit concentrate with high antioxidant capacity has no effect on biomarkers of antioxidant status in male smokers. <i>Journal of Nutrition</i> , 2001 , 131, 1714-22	4.1	99
157	Scavenging of hypochlorous acid by lipoic acid. <i>Biochemical Pharmacology</i> , 1991 , 42, 2244-6	6	99
156	The toxicity of antioxidants and their metabolites. <i>Environmental Toxicology and Pharmacology</i> , 2002 , 11, 251-8	5.8	97
155	The potential of flavonoids in the treatment of non-alcoholic fatty liver disease. <i>Critical Reviews in Food Science and Nutrition</i> , 2017 , 57, 834-855	11.5	93
154	Ferulic acid from aleurone determines the antioxidant potency of wheat grain (<i>Triticum aestivum</i> L.). <i>Journal of Agricultural and Food Chemistry</i> , 2008 , 56, 5589-94	5.7	92
153	Pitfalls in a method for assessment of total antioxidant capacity. <i>Free Radical Research</i> , 1997 , 26, 515-214		89
152	The predictive value of the antioxidant capacity of structurally related flavonoids using the Trolox equivalent antioxidant capacity (TEAC) assay. <i>Food Chemistry</i> , 2000 , 70, 391-395	8.5	89
151	ATP-mediated activation of the NADPH oxidase DUOX1 mediates airway epithelial responses to bacterial stimuli. <i>Journal of Biological Chemistry</i> , 2009 , 284, 17858-67	5.4	85
150	DNA damage in lung epithelial cells isolated from rats exposed to quartz: role of surface reactivity and neutrophilic inflammation. <i>Carcinogenesis</i> , 2002 , 23, 1111-20	4.6	80
149	Erythritol is a sweet antioxidant. <i>Nutrition</i> , 2010 , 26, 449-58	4.8	73
148	Protection by flavonoids against anthracycline cardiotoxicity: from chemistry to clinical trials. <i>Cardiovascular Toxicology</i> , 2007 , 7, 154-9	3.4	65
147	Synthesis of novel 3,7-substituted-2-(3,4-dihydroxyphenyl)flavones with improved antioxidant activity. <i>Journal of Medicinal Chemistry</i> , 2000 , 43, 3752-60	8.3	62
146	Impact of multiple genetic polymorphisms on effects of a 4-week blueberry juice intervention on ex vivo induced lymphocytic DNA damage in human volunteers. <i>Carcinogenesis</i> , 2007 , 28, 1800-6	4.6	61
145	Tyrosine as important contributor to the antioxidant capacity of seminal plasma. <i>Chemico-Biological Interactions</i> , 2000 , 127, 151-61	5	61
144	Cimetidine and other H ₂ receptor antagonists as powerful hydroxyl radical scavengers. <i>Chemico-Biological Interactions</i> , 1993 , 86, 119-27	5	60
143	Pleiotropic benefit of monomeric and oligomeric flavanols on vascular health--a randomized controlled clinical pilot study. <i>PLoS ONE</i> , 2011 , 6, e28460	3.7	59
142	Plant stanols dose-dependently decrease LDL-cholesterol concentrations, but not cholesterol-standardized fat-soluble antioxidant concentrations, at intakes up to 9 g/d. <i>American Journal of Clinical Nutrition</i> , 2010 , 92, 24-33	7	59

141	The flavanol (-)-epicatechin and its metabolites protect against oxidative stress in primary endothelial cells via a direct antioxidant effect. <i>European Journal of Pharmacology</i> , 2013 , 715, 147-53	5.3	58
140	Cereal grains for nutrition and health benefits: Overview of results from in vitro, animal and human studies in the HEALTHGRAIN project. <i>Trends in Food Science and Technology</i> , 2012 , 25, 87-100	15.3	58
139	Optimizing the bioactive potential of wheat bran by processing. <i>Food and Function</i> , 2012 , 3, 362-75	6.1	57
138	Activation of the microsomal glutathione-S-transferase and reduction of the glutathione dependent protection against lipid peroxidation by acrolein. <i>Biochemical Pharmacology</i> , 1988 , 37, 1933-8	6	56
137	The olive oil antioxidant hydroxytyrosol efficiently protects against the oxidative stress-induced impairment of the NO response of isolated rat aorta. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2007 , 292, H1931-6	5.2	55
136	4-Hydroxy-2,3-trans-nonenal stimulates microsomal lipid peroxidation by reducing the glutathione-dependent protection. <i>Archives of Biochemistry and Biophysics</i> , 1987 , 259, 449-56	4.1	54
135	The anti-inflammatory effect of lycopene complements the antioxidant action of ascorbic acid and Tocopherol. <i>Food Chemistry</i> , 2012 , 132, 954-958	8.5	53
134	Effect of thiols on lipid peroxidation in rat liver microsomes. <i>Chemico-Biological Interactions</i> , 1989 , 71, 201-12	5	51
133	Cytochrome P-450 and glutathione: what is the significance of their interrelationship in lipid peroxidation?. <i>Trends in Biochemical Sciences</i> , 1984 , 9, 510-513	10.3	51
132	Protectors against doxorubicin-induced cardiotoxicity: flavonoids. <i>Cell Biology and Toxicology</i> , 2007 , 23, 39-47	7.4	50
131	The reversibility of the glutathionyl-quercetin adduct spreads oxidized quercetin-induced toxicity. <i>Biochemical and Biophysical Research Communications</i> , 2005 , 338, 923-9	3.4	50
130	Systemic poly(ADP-ribose) polymerase-1 activation, chronic inflammation, and oxidative stress in COPD patients. <i>Free Radical Biology and Medicine</i> , 2003 , 35, 140-8	7.8	49
129	Cigarette smoke extract induced exosome release is mediated by depletion of exofacial thiols and can be inhibited by thiol-antioxidants. <i>Free Radical Biology and Medicine</i> , 2017 , 108, 334-344	7.8	48
128	Inhibition of lipid peroxidation mediated by indolizines. <i>Bioorganic and Medicinal Chemistry Letters</i> , 1998 , 8, 1829-32	2.9	48
127	Altered antioxidant status in peripheral skeletal muscle of patients with COPD. <i>Respiratory Medicine</i> , 2005 , 99, 118-25	4.6	48
126	Reversal of hypoxia in murine atherosclerosis prevents necrotic core expansion by enhancing efferocytosis. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2014 , 34, 2545-53	9.4	46
125	A planar conformation and the hydroxyl groups in the B and C rings play a pivotal role in the antioxidant capacity of quercetin and quercetin derivatives. <i>Molecules</i> , 2011 , 16, 9636-50	4.8	46
124	Antioxidant and anti-inflammatory capacity of bioaccessible compounds from wheat fractions after gastrointestinal digestion. <i>Journal of Cereal Science</i> , 2010 , 51, 110-114	3.8	46

123	Effect of vitamin E on glutathione-dependent enzymes. <i>Drug Metabolism Reviews</i> , 2003 , 35, 215-53	7	45
122	Antioxidant status associated with inflammation in sarcoidosis: a potential role for antioxidants. <i>Respiratory Medicine</i> , 2009 , 103, 364-72	4.6	44
121	Deconjugation kinetics of glucuronidated phase II flavonoid metabolites by beta-glucuronidase from neutrophils. <i>Drug Metabolism and Pharmacokinetics</i> , 2010 , 25, 379-87	2.2	44
120	Oxidative damage shifts from lipid peroxidation to thiol arylation by catechol-containing antioxidants. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2002 , 1583, 279-84	5	43
119	Time in Redox Adaptation Processes: From Evolution to Hormesis. <i>International Journal of Molecular Sciences</i> , 2016 , 17,	6.3	43
118	The use of human in vitro metabolic parameters to explore the risk assessment of hazardous compounds: the case of ethylene dibromide. <i>Toxicology and Applied Pharmacology</i> , 1997 , 143, 56-69	4.6	42
117	Nitric oxide radical scavenging of flavonoids. <i>Methods in Enzymology</i> , 1999 , 301, 490-503	1.7	42
116	The shifting perception on antioxidants: the case of vitamin E and β -carotene. <i>Redox Biology</i> , 2015 , 4, 272-8	11.3	41
115	Dietary flavanols modulate the transcription of genes associated with cardiovascular pathology without changes in their DNA methylation state. <i>PLoS ONE</i> , 2014 , 9, e95527	3.7	41
114	Intrauterine exposure to flavonoids modifies antioxidant status at adulthood and decreases oxidative stress-induced DNA damage. <i>Free Radical Biology and Medicine</i> , 2013 , 57, 154-61	7.8	40
113	Determination of the antioxidant capacity in blood. <i>Clinical Chemistry and Laboratory Medicine</i> , 2005 , 43, 735-40	5.9	39
112	Atheroprotective effect of dietary walnut intake in ApoE-deficient mice: involvement of lipids and coagulation factors. <i>Thrombosis Research</i> , 2013 , 131, 411-7	8.2	38
111	Reduction of lipoic acid by lipoamide dehydrogenase. <i>Biochemical Pharmacology</i> , 1996 , 51, 233-8	6	38
110	Sex differences in the cellular defence system against free radicals from oxygen or drug metabolites in rat. <i>Archives of Toxicology</i> , 1984 , 56, 83-6	5.8	38
109	A single session of resistance exercise induces oxidative damage in untrained men. <i>Medicine and Science in Sports and Exercise</i> , 2007 , 39, 2145-51	1.2	37
108	Oxidative stress and antioxidants in interstitial lung disease. <i>Current Opinion in Pulmonary Medicine</i> , 2010 , 16, 516-20	3	36
107	The extraordinary antioxidant activity of vitamin E phosphate. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2004 , 1683, 16-21	5	36
106	Elevated citrate levels in non-alcoholic fatty liver disease: the potential of citrate to promote radical production. <i>FEBS Letters</i> , 2013 , 587, 2461-6	3.8	35

105	Incomplete protection of genetic integrity of mature spermatozoa against oxidative stress. <i>Reproductive Toxicology</i> , 2011 , 32, 106-11	3.4	35
104	Silver nanoparticles induce hormesis in A549 human epithelial cells. <i>Toxicology in Vitro</i> , 2017 , 40, 223-233.6		33
103	An essential difference between the flavonoids monoHER and quercetin in their interplay with the endogenous antioxidant network. <i>PLoS ONE</i> , 2010 , 5, e13880	3.7	33
102	The effect of modified eggs and an egg-yolk based beverage on serum lutein and zeaxanthin concentrations and macular pigment optical density: results from a randomized trial. <i>PLoS ONE</i> , 2014 , 9, e92659	3.7	32
101	Superoxide dismutase: the balance between prevention and induction of oxidative damage. <i>Chemico-Biological Interactions</i> , 2003 , 145, 33-9	5	32
100	The effect of chronic adriamycin treatment on heart kidney and liver tissue of male and female rat. <i>Archives of Toxicology</i> , 1988 , 61, 275-81	5.8	32
99	Tubular epithelial injury and inflammation after ischemia and reperfusion in human kidney transplantation. <i>Annals of Surgery</i> , 2011 , 253, 598-604	7.8	31
98	New synthetic flavonoids as potent protectors against doxorubicin-induced cardiotoxicity. <i>Free Radical Biology and Medicine</i> , 2001 , 31, 31-7	7.8	31
97	Contribution of 4-hydroxy-2,3-trans-nonenal to the reduction of beta-adrenoceptor function in the heart by oxidative stress. <i>Life Sciences</i> , 1989 , 45, 71-6	6.8	31
96	Reduction of beta-adrenoceptor function by oxidative stress in the heart. <i>Free Radical Biology and Medicine</i> , 1990 , 9, 279-88	7.8	31
95	Neutrophils augment LPS-mediated pro-inflammatory signaling in human lung epithelial cells. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2012 , 1823, 1151-62	4.9	30
94	New method to study oxidative damage and antioxidants in the human small bowel: effects of iron application. <i>American Journal of Physiology - Renal Physiology</i> , 2003 , 285, G354-9	5.1	30
93	The role of lipoic acid in the treatment of diabetic polyneuropathy. <i>Drug Metabolism Reviews</i> , 1997 , 29, 1025-54	7	29
92	Oxidative stress reduces the muscarinic receptor function in the urinary bladder. <i>Neurourology and Urodynamics</i> , 2007 , 26, 302-8	2.3	29
91	Structure and activity in assessing antioxidant activity in vitro and in vivo A critical appraisal illustrated with the flavonoids. <i>Environmental Toxicology and Pharmacology</i> , 2006 , 21, 191-8	5.8	29
90	Lipoic acid protects efficiently only against a specific form of peroxy-nitrite-induced damage. <i>Journal of Biological Chemistry</i> , 2004 , 279, 9693-7	5.4	29
89	Lecithinized copper,zinc-superoxide dismutase as a protector against doxorubicin-induced cardiotoxicity in mice. <i>Toxicology and Applied Pharmacology</i> , 2004 , 194, 180-8	4.6	29
88	Thiazoloindans and thiazolobenzopyrans: a novel class of orally active central dopamine (partial) agonists. <i>Journal of Medicinal Chemistry</i> , 2000 , 43, 3549-57	8.3	27

87	Effect of bioprocessing of wheat bran in wholemeal wheat breads on the colonic SCFA production in vitro and postprandial plasma concentrations in men. <i>Food Chemistry</i> , 2011 , 128, 404-9	8.5	26
86	Inhibition of various glutathione S-transferase isoenzymes by RRR-alpha-tocopherol. <i>Toxicology in Vitro</i> , 2003 , 17, 245-51	3.6	26
85	Role of cytochrome P450 polymorphisms in the development of pulmonary drug toxicity: a case-control study in the Netherlands. <i>Drug Safety</i> , 2008 , 31, 1125-34	5.1	24
84	Synthesis of 5-substituted pyrrolo[1,2-b]pyridazines with antioxidant properties. <i>Archiv Der Pharmazie</i> , 2001 , 334, 21-4	4.3	24
83	Rutin protects against HO-triggered impaired relaxation of placental arterioles and induces Nrf2-mediated adaptation in Human Umbilical Vein Endothelial Cells exposed to oxidative stress. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2017 , 1861, 1177-1189	4	23
82	Astaxanthin supplementation does not augment fat use or improve endurance performance. <i>Medicine and Science in Sports and Exercise</i> , 2013 , 45, 1158-65	1.2	23
81	Efficacy of HOCl scavenging by sulfur-containing compounds: antioxidant activity of glutathione disulfide?. <i>Biological Chemistry</i> , 2002 , 383, 709-13	4.5	23
80	Adaptation to acrolein through upregulating the protection by glutathione in human bronchial epithelial cells: the materialization of the hormesis concept. <i>Biochemical and Biophysical Research Communications</i> , 2014 , 446, 1029-34	3.4	22
79	Glutathione revisited: a better scavenger than previously thought. <i>Frontiers in Pharmacology</i> , 2014 , 5, 260	5.6	22
78	The cocoa flavanol (-)-epicatechin protects the cortisol response. <i>Pharmacological Research</i> , 2014 , 79, 28-33	10.2	21
77	alpha-Tocopherol inhibits human glutathione S-transferase pi. <i>Biochemical and Biophysical Research Communications</i> , 2001 , 280, 631-3	3.4	21
76	Inhibition of human glutathione S-transferase P1-1 by tocopherols and alpha-tocopherol derivatives. <i>BBA - Proteins and Proteomics</i> , 2001 , 1548, 23-8		20
75	Nitric Oxide Radical Scavenging by Wines. <i>Journal of Agricultural and Food Chemistry</i> , 1996 , 44, 3733-3734	4.7	20
74	Activation of the microsomal glutathione S-transferase by metabolites of alpha-methyldopa. <i>Archives of Biochemistry and Biophysics</i> , 1991 , 287, 48-52	4.1	20
73	A method for measuring nitric oxide radical scavenging activity. Scavenging properties of sulfur-containing compounds. <i>International Journal of Clinical Pharmacy</i> , 1997 , 19, 283-6		19
72	Analysis of oxidative DNA damage after human dietary supplementation with linoleic acid. <i>Food and Chemical Toxicology</i> , 2003 , 41, 351-8	4.7	19
71	The interaction of tea flavonoids with the NO-system: discrimination between good and bad NO. <i>Food Chemistry</i> , 2000 , 70, 365-370	8.5	19
70	The effect of prolonged dietary nitrate supplementation on atherosclerosis development. <i>Atherosclerosis</i> , 2016 , 245, 212-21	3.1	18

69	Alpha-tocopheryl phosphate is a novel apoptotic agent. <i>Frontiers in Bioscience - Landmark</i> , 2007 , 12, 2013-9	3.9	18
68	Competition between ascorbate and glutathione for the oxidized form of methylated quercetin metabolites and analogues: tamarixetin, 4O-methylquercetin, has the lowest thiol reactivity. <i>Journal of Agricultural and Food Chemistry</i> , 2012 , 60, 9292-7	5.7	17
67	Partial bladder outlet obstruction reduces the tissue antioxidant capacity and muscle nerve density of the guinea pig bladder. <i>Neurourology and Urodynamics</i> , 2009 , 28, 461-7	2.3	17
66	Hypochlorous acid is a potent inhibitor of acetylcholinesterase. <i>Toxicology and Applied Pharmacology</i> , 2002 , 181, 228-32	4.6	17
65	Tocotrienols inhibit human glutathione S-transferase P1-1. <i>IUBMB Life</i> , 2002 , 54, 81-4	4.7	17
64	Effects of emphysema and training on glutathione oxidation in the hamster diaphragm. <i>Journal of Applied Physiology</i> , 2000 , 88, 2054-61	3.7	17
63	Differences in cytochrome P450-mediated biotransformation of 1,2-dichlorobenzene by rat and man: implications for human risk assessment. <i>Chemical Research in Toxicology</i> , 1996 , 9, 1249-56	4	17
62	Regulation of lipid peroxidation by glutathione and lipoic acid: involvement of liver microsomal vitamin E free radical reductase. <i>Advances in Experimental Medicine and Biology</i> , 1990 , 264, 111-6	3.6	17
61	The effects of vitamin E or lipoic acid supplementation on oxyphytosterols in subjects with elevated oxidative stress: a randomized trial. <i>Scientific Reports</i> , 2017 , 7, 15288	4.9	16
60	Protection against chemotaxis in the anti-inflammatory effect of bioactives from tomato ketchup. <i>PLoS ONE</i> , 2014 , 9, e114387	3.7	16
59	Characterization of the glutathione conjugate of the semisynthetic flavonoid monoHER. <i>Free Radical Biology and Medicine</i> , 2009 , 46, 1567-73	7.8	16
58	Peroxynitrite Scavenging by Wines. <i>Journal of Agricultural and Food Chemistry</i> , 1997 , 45, 3357-3358	5.7	16
57	Paracetamol as a Post Prandial Marker for Gastric Emptying, A Food-Drug Interaction on Absorption. <i>PLoS ONE</i> , 2015 , 10, e0136618	3.7	16
56	Chemical Reactivity Window Determines Prodrug Efficiency toward Glutathione Transferase Overexpressing Cancer Cells. <i>Molecular Pharmaceutics</i> , 2016 , 13, 2010-25	5.6	16
55	The flavonoid 7-mono-O-(Ehydroxyethyl)-rutoside is able to protect endothelial cells by a direct antioxidant effect. <i>Toxicology in Vitro</i> , 2014 , 28, 538-43	3.6	15
54	An essential difference in the reactivity of the glutathione adducts of the structurally closely related flavonoids monoHER and quercetin. <i>Free Radical Biology and Medicine</i> , 2011 , 51, 2118-23	7.8	15
53	Nuclear factor-kappaB activation is higher in peripheral blood mononuclear cells of male smokers. <i>Environmental Toxicology and Pharmacology</i> , 2001 , 9, 147-151	5.8	15
52	The chemical reactivity of (-)-epicatechin quinone mainly resides in its B-ring. <i>Free Radical Biology and Medicine</i> , 2018 , 124, 31-39	7.8	14

51	Oxidative degradation of lipids during mashing. <i>Journal of Agricultural and Food Chemistry</i> , 2007 , 55, 7010-4	5.7	14
50	The anti-inflammatory efficacy of dexamethasone is protected by (-)-epicatechin. <i>PharmaNutrition</i> , 2014 , 2, 47-52	2.9	13
49	Addition of a water-soluble propofol formulation to preservation solution in experimental kidney transplantation. <i>Transplantation</i> , 2011 , 92, 296-302	1.8	13
48	Variant VKORC1 and CYP2C9 alleles in patients with diffuse alveolar hemorrhage caused by oral anticoagulants. <i>Molecular Diagnosis and Therapy</i> , 2010 , 14, 23-30	4.5	13
47	Hypochlorous acid is a potent inhibitor of GST P1-1. <i>Chemico-Biological Interactions</i> , 2001 , 138, 77-83	5	13
46	Effect of antioxidant supplementation on exercise-induced cardiac troponin release in cyclists: a randomized trial. <i>PLoS ONE</i> , 2013 , 8, e79280	3.7	13
45	The antioxidant flavonoid monoHER provides efficient protection and induces the innate Nrf2 mediated adaptation in endothelial cells subjected to oxidative stress. <i>PharmaNutrition</i> , 2014 , 2, 69-74	2.9	12
44	Evaluation of the accuracy of antioxidant competition assays: incorrect assumptions with major impact. <i>Free Radical Biology and Medicine</i> , 2009 , 47, 135-44	7.8	12
43	No role of DT-diaphorase (NQO1) in the protection against oxidized quercetin. <i>FEBS Letters</i> , 2005 , 579, 677-82	3.8	12
42	No reduction of alpha-tocopherol quinone by glutathione in rat liver microsomes. <i>Biochemical Pharmacology</i> , 2001 , 61, 715-9	6	12
41	Distinct radiation responses after in vitro mtDNA depletion are potentially related to oxidative stress. <i>PLoS ONE</i> , 2017 , 12, e0182508	3.7	11
40	The Screening of Anticholinergic Accumulation by Traditional Chinese Medicine. <i>International Journal of Molecular Sciences</i> , 2017 , 19,	6.3	11
39	The minor structural difference between the antioxidants quercetin and 4-O-methylquercetin has a major impact on their selective thiol toxicity. <i>International Journal of Molecular Sciences</i> , 2014 , 15, 7475-84	6.3	11
38	The semisynthetic flavonoid monoHER sensitises human soft tissue sarcoma cells to doxorubicin-induced apoptosis via inhibition of nuclear factor- κ B. <i>British Journal of Cancer</i> , 2011 , 104, 437-40	8.7	11
37	Enteral feeding enriched with carotenoids normalizes the carotenoid status and reduces oxidative stress in long-term enterally fed patients. <i>Clinical Nutrition</i> , 2006 , 25, 897-905	5.9	11
36	The supplement-drug interaction of quercetin with tamsulosin on vasorelaxation. <i>European Journal of Pharmacology</i> , 2015 , 746, 132-7	5.3	10
35	Gene expression in human small intestinal mucosa in vivo is mediated by iron-induced oxidative stress. <i>Physiological Genomics</i> , 2006 , 25, 242-9	3.6	10
34	Bioavailability and pharmacokinetics of the cardioprotecting flavonoid 7-mono-hydroxyethylrutin in mice. <i>Cancer Chemotherapy and Pharmacology</i> , 2003 , 52, 371-6	3.5	9

33	Lack of inhibition of endothelial nitric oxide synthase in the isolated rat aorta by doxorubicin. <i>Toxicology in Vitro</i> , 2003 , 17, 165-7	3.6	9
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