Rui-Min Han

List of Publications by Year
in descending order

25 papers	635 citations	687363 13 h-index	610901 24 g-index
25 all docs	25 docs citations	25 times ranked	879 citing authors

#	Article	IF	Citations
1	Reaction Dynamics of Flavonoids and Carotenoids as Antioxidants. Molecules, 2012, 17, 2140-2160.	3.8	143
2	Comparison of Flavonoids and Isoflavonoids as Antioxidants. Journal of Agricultural and Food Chemistry, 2009, 57, 3780-3785.	5.2	124
3	Puerarin and Conjugate Bases as Radical Scavengers and Antioxidants:Â Molecular Mechanism and Synergism with Î²-Carotene. Journal of Agricultural and Food Chemistry, 2007, 55, 2384-2391.	5.2	79
4	Fast Regeneration of Carotenoids from Radical Cations by Isoflavonoid Dianions: Importance of the Carotenoid Keto Group for Electron Transfer. Journal of Physical Chemistry A, 2010, 114, 126-132.	2.5	43
5	Î²-Carotene Radical Cation Addition to Green Tea Polyphenols. Mechanism of Antioxidant Antagonism in Peroxidizing Liposomes. Journal of Agricultural and Food Chemistry, 2011, 59, 12643-12651.	5.2	32
6	Binding to Bovine Serum Albumin Protects Î²-Carotene against Oxidative Degradation. Journal of Agricultural and Food Chemistry, 2016, 64, 5951-5957.	5.2	31
7	Phenol Acidity and Ease of Oxidation in Isoflavonoid/Î²-Carotene Antioxidant Synergism. Journal of Agricultural and Food Chemistry, 2011, 59, 10367-10372.	5.2	19
8	Kaempferol Binding to Zinc(II), Efficient Radical Scavenging through Increased Phenol Acidity. Journal of Physical Chemistry B, 2018, 122, 10108-10117.	2.6	16
9	Copper(II) Coordination and Translocation in Luteolin and Effect on Radical Scavenging. Journal of Physical Chemistry B, 2020, 124, 380-388.	2.6	15
10	Electron Transfer from Plant Phenolates to Carotenoid Radical Cations. Antioxidant Interaction Entering the Marcus Theory Inverted Region. Journal of Agricultural and Food Chemistry, 2014, 62, 942-949.	5.2	14
11	Singlet Fission Reaction of Light-Exposed Î²-Carotene Bound to Bovine Serum Albumin. A Novel Mechanism in Protection of Light-Exposed Tissue by Dietary Carotenoids. Journal of Agricultural and Food Chemistry, 2017, 65, 6058-6062.	5.2	14
12	Genistein Binding to Copper(II)â€"Solvent Dependence and Effects on Radical Scavenging. Molecules, 2017, 22, 1757.	3.8	14
13	Astaxanthin Protecting Membrane Integrity against Photosensitized Oxidation through Synergism with Other Carotenoids. Journal of Agricultural and Food Chemistry, 2015, 63, 9124-9130.	5.2	13
14	Promotion effects of flavonoids on browning induced by enzymatic oxidation of tyrosinase: structureâ€“activity relationship. RSC Advances, 2021, 11, 13769-13779.	3.6	13
15	Integrity of Membrane Structures in Giant Unilamellar Vesicles as Assay for Antioxidants and Prooxidants. Analytical Chemistry, 2018, 90, 2126-2133.	6.5	11
16	Regeneration of Î²-Carotene from Radical Cation by Eugenol, Isoeugenol, and Clove Oil in the Marcus Theory Inverted Region for Electron Transfer. Journal of Agricultural and Food Chemistry, 2017, 65, 908-912.	5.2	9
17	Kinetic Studies on Radical Scavenging Activity of Kaempferol Decreased by Sn(II) Binding. Molecules, 2020, 25, 1975.	3.8	9
18	Regeneration of Î²-Carotene from the Radical Cation by Tyrosine and Tryptophan. Journal of Physical Chemistry B, 2015, 119, 6603-6610.	2.6	8

#	Article	IF	Citations
19	Interaction of isoflavones with different structures and transferrin. Spectroscopy Letters, 2016, 49, 596-601.	1.0	6
20	Riboflavin and chlorophyll as photosensitizers in electroformed giant unilamellar vesicles as food models. European Food Research and Technology, 2017, 243, 21-26.	3.3	6
21	Synergy between plant phenols and carotenoids in stabilizing lipid-bilayer membranes of giant unilamellar vesicles against oxidative destruction. Soft Matter, 2020, 16, 1792-1800.	2.7	6
22	Alkaline earth metal ion coordination increases the radical scavenging efficiency of kaempferol. RSC Advances, 2020, 10, 30035-30047.	3.6	5
23	Î²-Carotene As a Lipophilic Scavenger of Nitric Oxide. Journal of Physical Chemistry B, 2014, 118, 11659-11666.	2.6	4
24	Double-Site Binding and Anti-/Pro-oxidation of Luteolin on Bovine Serum Albumin Mediated by Copper(II) Coordination. ACS Omega, 2022, 7, 19521-19534.	3.5	1
25	Peroxyl radical induced membrane instability of giant unilamellar vesicles and anti-lipooxidation protection. Biophysical Chemistry, 2022, 285, 106807.	2.8	0