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	Peroxyl radical induced membrane instability of giant unilamellar vesicles and anti-lipooxidation protection. Biophysical Chemistry, 2022, 285, 106807.	2.8	0
2	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
3	Promotion effects of flavonoids on browning induced by enzymatic oxidation of tyrosinase: structureâ€“activity relationship. RSC Advances, 2021, 11, 13769-13779.	3.6	13
4	Copper(II) Coordination and Translocation in Luteolin and Effect on Radical Scavenging. Journal of Physical Chemistry B, 2020, 124, 380-388.	2.6	15
5	Alkaline earth metal ion coordination increases the radical scavenging efficiency of kaempferol. RSC Advances, 2020, 10, 30035-30047.	3.6	5
6	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
7	Kinetic Studies on Radical Scavenging Activity of Kaempferol Decreased by Sn(II) Binding. Molecules, 2020, 25, 1975.	3.8	9
8	Integrity of Membrane Structures in Giant Unilamellar Vesicles as Assay for Antioxidants and Prooxidants. Analytical Chemistry, 2018, 90, 2126-2133.	6.5	11
9	Kaempferol Binding to Zinc(II), Efficient Radical Scavenging through Increased Phenol Acidity. Journal of Physical Chemistry B, 2018, 122, 10108-10117.	2.6	16
10	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
11	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
12	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
13	Genistein Binding to Copper(II)â€”Solvent Dependence and Effects on Radical Scavenging. Molecules, 2017, 22, 1757.	3.8	14
14	Binding to Bovine Serum Albumin Protects Î²-Carotene against Oxidative Degradation. Journal of Agricultural and Food Chemistry, 2016, 64, 5951-5957.	5.2	31
15	Interaction of isoflavones with different structures and transferrin. Spectroscopy Letters, 2016, 49, 596-601.	1.0	6
16	Regeneration of Î²-Carotene from the Radical Cation by Tyrosine and Tryptophan. Journal of Physical Chemistry B, 2015, 119, 6603-6610.	2.6	8
17	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
18	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

#	Article	IF	Citations
19	Î²-Carotene As a Lipophilic Scavenger of Nitric Oxide. Journal of Physical Chemistry B, 2014, 118, 11659-11666.	2.6	4
20	Reaction Dynamics of Flavonoids and Carotenoids as Antioxidants. Molecules, 2012, 17, 2140-2160.	3.8	143
21	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
22	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
23	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
24	Comparison of Flavonoids and Isoflavonoids as Antioxidants. Journal of Agricultural and Food Chemistry, 2009, 57, 3780-3785.	5.2	124
25	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