

# Peng Wang

## List of Publications by Year in descending order

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27  
papers

322  
citations

933447

10  
h-index

888059

17  
g-index

27  
all docs

27  
docs citations

27  
times ranked

350  
citing authors

#	ARTICLE	IF	CITATIONS
1	Daidzein as an Antioxidant of Lipid: Effects of the Microenvironment in Relation to Chemical Structure. <i>Journal of Agricultural and Food Chemistry</i> , 2008, 56, 10376-10383.	5.2	48
2	Excitation Dynamics of Two Spectral Forms of the Core Complexes from Photosynthetic Bacterium <i>Thermochromatium tepidum</i> . <i>Biophysical Journal</i> , 2008, 95, 3349-3357.	0.5	36
3	Low-lying singlet states of carotenoids having 8-13 conjugated double bonds as determined by electronic absorption spectroscopy. <i>Chemical Physics Letters</i> , 2005, 410, 108-114.	2.6	30
4	Specific Ca <sup>2+</sup> -binding motif in the LH1 complex from photosynthetic bacterium <i>Thermochromatium tepidum</i> as revealed by optical spectroscopy and structural modeling. <i>FEBS Journal</i> , 2009, 276, 1739-1749.	4.7	26
5	Carotenoid Singlet Fission Reactions in Bacterial Light Harvesting Complexes As Revealed by Triplet Excitation Profiles. <i>Journal of the American Chemical Society</i> , 2017, 139, 15984-15993.	13.7	26
6	Chain Length Effects in Isoflavonoid Daidzein Alkoxy Derivatives as Antioxidants: A Quantum Mechanical Approach. <i>Journal of Agricultural and Food Chemistry</i> , 2011, 59, 12652-12657.	5.2	22
7	Thermal Adaptability of the Light-Harvesting Complex 2 from <i>Thermochromatium tepidum</i> : Temperature-Dependent Excitation Transfer Dynamics. <i>Journal of Physical Chemistry B</i> , 2015, 119, 14871-14879.	2.6	14
8	Singlet Fission Reaction of Light-Exposed Î <sup>2</sup> -Carotene Bound to Bovine Serum Albumin. A Novel Mechanism in Protection of Light-Exposed Tissue by Dietary Carotenoids. <i>Journal of Agricultural and Food Chemistry</i> , 2017, 65, 6058-6062.	5.2	14
9	Effects of Aggregation on the Excitation Dynamics of LH2 from <i>Thermochromatium tepidum</i> in Aqueous Phase and in Chromatophores. <i>Journal of Physical Chemistry B</i> , 2011, 115, 7906-7913.	2.6	12
10	Rhodium(I)-Catalyzed C2-Selective Decarbonylative C-H Alkylation of Indoles with Alkyl Carboxylic Acids and Anhydrides. <i>Asian Journal of Organic Chemistry</i> , 2021, 10, 879-885.	2.7	12
11	Integrity of Membrane Structures in Giant Unilamellar Vesicles as Assay for Antioxidants and Prooxidants. <i>Analytical Chemistry</i> , 2018, 90, 2126-2133.	6.5	11
12	Solvent tuning configurational conversion of lycopene aggregates in organic-aqueous mixing solvent. <i>Chemical Physics Letters</i> , 2018, 701, 52-57.	2.6	10
13	Rhodium(III)-Catalyzed Regioselective C-H Annulation and Alkenylation of 2-Pyridones with Terminal Alkynes. <i>Advanced Synthesis and Catalysis</i> , 2022, 364, 1264-1270.	4.3	9
14	Retinylisoflavonoid as a Novel Membrane Antioxidant. <i>Journal of Physical Chemistry B</i> , 2010, 114, 13904-13910.	2.6	8
15	Triplet excitation dynamics of two keto-carotenoids in n-hexane and in methanol as studied by ns flash photolysis spectroscopy. <i>Chemical Physics Letters</i> , 2015, 633, 114-119.	2.6	8
16	Orientation assignment of LH2 and LH1-RC complexes from <i>Thermochromatium tepidum</i> reconstituted in PC liposome and their ultrafast excitation dynamics comparison between in artificial and in natural chromatophores. <i>Chemical Physics Letters</i> , 2018, 705, 78-84.	2.6	6
17	Metal-Free Tandem One-Pot Construction of 3,3-Disubstituted 3,4-Dihydroquinoxalin-2(1H)-ones under Visible-Light Photoredox Catalysis. <i>Advanced Synthesis and Catalysis</i> , 2022, 364, 658-664.	4.3	6
18	Carotenoid Single-Molecular Singlet Fission and the Photoprotection of a Bacteriochlorophyll <i>a</i> -Type Core Light-Harvesting Antenna. <i>Journal of Physical Chemistry Letters</i> , 2022, 13, 3534-3541.	4.6	5

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19	Structure and Excitation Dynamics of $\hat{1}^2$ -Carotene Aggregates in Cetyltrimethylammonium Bromide Micelle. <i>Chemical Research in Chinese Universities</i> , 2018, 34, 643-648.	2.6	4
20	Primary reaction intermediates of Type-I photosensitized lipid oxidation as revealed by time-resolved optical spectroscopies. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2021, 418, 113376.	3.9	4
21	Solvation effect on photophysical and photochemical properties of mono-biotinylated curcumin. <i>Chemical Physics Letters</i> , 2021, 774, 138616.	2.6	3
22	Lipid-Enhanced Photoprotection of LHCII in Membrane Nanodisc by Reducing Chlorophyll Triplet Production. <i>Journal of Physical Chemistry B</i> , 2022, 126, 2669-2676.	2.6	3
23	$\hat{1}^2$ -Carotene as a Membrane Antioxidant Probed by Cholesterol-Anchored Daidzein. <i>Journal of Food Science</i> , 2014, 79, C1688-94.	3.1	2
24	Surfactant Effects on the Permeability of Photosynthetic Membrane from <i>Rhodobacter sphaeroides</i> 2.4.1 Probed by Electrochromic Shift of Endogenous Carotenoids. <i>Chemical Research in Chinese Universities</i> , 2018, 34, 989-994.	2.6	1
25	Excited State Properties of Fucoxanthin Aggregates. <i>Chemical Research in Chinese Universities</i> , 2019, 35, 627-635.	2.6	1
26	Conjugation Length Dependence of Free Radical Scavenging Efficiency of Retinal and Retinylisoflavonoid Homologues. <i>ACS Omega</i> , 2020, 5, 13770-13776.	3.5	1
27	Triplet excitation dynamics of $\hat{1}^2$ -carotene studied in three solvents by ns flash photolysis spectroscopy. <i>Chinese Chemical Letters</i> , 2017, 28, 83-88.	9.0	0