

# Yunlong Gao

## List of Publications by Year in descending order

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19  
papers

485  
citations

840728

11  
h-index

794568

19  
g-index

19  
all docs

19  
docs citations

19  
times ranked

378  
citing authors

#	ARTICLE	IF	CITATIONS
1	Antioxidant Activity in Supramolecular Carotenoid Complexes Favored by Nonpolar Environment and Disfavored by Hydrogen Bonding. <i>Antioxidants</i> , 2020, 9, 625.	5.1	11
2	The effect of polarity of environment on the antioxidant activity of carotenoids. <i>Chemical Physics Letters</i> , 2020, 761, 138098.	2.6	8
3	Photoinduced Charge Separation in Retinoic Acid on TiO <sub>2</sub> : Comparison of Three Anchoring Modes. <i>Journal of Physical Chemistry C</i> , 2019, 123, 24634-24642.	3.1	8
4	Photo-induced charge separation in hydroxycoumarins on TiO <sub>2</sub> and Fe <sup>3+</sup> /TiO <sub>2</sub> . <i>Dalton Transactions</i> , 2019, 48, 10881-10891.	3.3	5
5	Photo-induced electron transfer of carotenoids in mesoporous sieves (MCM-41) and surface modified MCM-41: The role of hydrogen bonds on the electron transfer. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2017, 341, 1-11.	3.9	14
6	Hydrogen Bond Formation between the Carotenoid Canthaxanthin and the Silanol Group on MCM-41 Surface. <i>Journal of Physical Chemistry B</i> , 2015, 119, 10488-10495.	2.6	8
7	A DFT study of the interaction between olefins and Cu <sup>2+</sup> on silica and MCM-41 model surfaces. <i>Dalton Transactions</i> , 2014, 43, 6221-6228.	3.3	6
8	DFT and Experimental Examination of the Oxidation/Reduction of a Thiol-Substituted Carotenoid with Gold versus Glassy Carbon Electrodes. <i>Journal of Physical Chemistry A</i> , 2006, 110, 10091-10097.	2.5	4
9	Density Functional Theory Study of the $\dot{\text{C}}^2$ -Carotene Radical Cation and Deprotonated Radicals. <i>Journal of Physical Chemistry B</i> , 2006, 110, 24750-24756.	2.6	39
10	Electron Spin Echo Envelope Modulation and Pulse Electron Nuclear Double Resonance Studies of Cu <sup>2+</sup> - $\dot{\text{C}}^2$ -Carotene Interactions in Cu-MCM-41 Molecular Sieves. <i>Journal of Physical Chemistry B</i> , 2005, 109, 18289-18292.	2.6	7
11	Isomerization of Carotenoids in the Presence of MCM-41 Molecular Sieves: EPR and HPLC Studies. <i>Journal of Physical Chemistry B</i> , 2004, 108, 9456-9462.	2.6	20
12	Characterization of Fe <sup>3+</sup> /MCM-41 Molecular Sieves with Incorporated Carotenoids by Multifrequency Electron Paramagnetic Resonance. <i>Journal of Physical Chemistry B</i> , 2003, 107, 1006-1011.	2.6	18
13	Interaction of Carotenoids and Cu <sup>2+</sup> in Cu-MCM-41: Distance-Dependent Reversible Electron Transfer. <i>Journal of Physical Chemistry B</i> , 2003, 107, 2459-2465.	2.6	36
14	Reaction of Carotenoids and Ferric Chloride: Equilibria, Isomerization, and Products. <i>Journal of Physical Chemistry B</i> , 2003, 107, 5333-5338.	2.6	74
15	Deprotonation of Carotenoid Radical Cation and Formation of a Didehydrodimer. <i>Journal of Physical Chemistry B</i> , 2003, 107, 13237-13240.	2.6	26
16	A Spectroscopic Study of Hexadecylquinolinium Tricyanoquinodimethanide as a Monolayer and in Bulk. <i>Journal of Physical Chemistry B</i> , 2002, 106, 10374-10381.	2.6	25
17	Electron Transfer of Carotenoids Imbedded in MCM-41 and Ti <sup>3+</sup> /MCM-41: EPR, ENDOR, and UV-Vis Studies. <i>Journal of Physical Chemistry B</i> , 2002, 106, 10808-10815.	2.6	34
18	Photooxidation of Carotenoids in Mesoporous MCM-41, Ni-MCM-41 and Al-MCM-41 Molecular Sieves. <i>Journal of Physical Chemistry B</i> , 2001, 105, 7459-7464.	2.6	57

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19	Electrochemical properties of natural carotenoids. Journal of Electroanalytical Chemistry, 2000, 488, 140-150.	3.8	85