

Effect of the π - π stacking interaction on the acidity of

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Computational organic chemistry. Annual Reports on the Progress of Chemistry Section B, 2006, 102, 219.	0.8	2
2	Influence of Stacking on the Hydrogen Bond Donating Potential of Nucleic Bases. Journal of Chemical Theory and Computation, 2006, 2, 1444-1452.	2.3	29
3	Adsorption mechanism in reversed-phase liquid chromatography. Journal of Chromatography A, 2006, 1115, 142-163.	1.8	64
4	Substituent effects on aromatic stacking interactions. Organic and Biomolecular Chemistry, 2007, 5, 1062.	1.5	221
5	Radical Cations of the Nucleic Bases and Radiation Damage to DNA: Ab Initio Study. Advances in Quantum Chemistry, 2007, , 121-147.	0.4	26
6	A systematic study of carboxylic acids in negative ion mode electrospray ionisation mass spectrometry providing a structural model for ion suppression. Rapid Communications in Mass Spectrometry, 2007, 21, 2014-2018.	0.7	15
7	Enhanced radical scavenging activity by antioxidant-functionalized gold nanoparticles: A novel inspiration for development of new artificial antioxidants. Free Radical Biology and Medicine, 2007, 43, 1243-1254.	1.3	141
8	Local hardness: a critical account. Theoretical Chemistry Accounts, 2007, 118, 923-930.	0.5	95
9	Accurate gas phase acidities of carboxylic acids estimated by scaling the vibrational contribution of ab initio gibbs free energies. Journal of Molecular Modeling, 2007, 13, 801-808.	0.8	7
10	Do the Local Softness and Hardness Indicate the Softest and Hardest Regions of a Molecule?. Chemistry - A European Journal, 2008, 14, 8652-8660.	1.7	85
11	The hardness kernel as the basis for global and local reactivity indices. Journal of Computational Chemistry, 2008, 29, 1064-1072.	1.5	34
12	Determination of pKa for dithiophosphinic acids using density functional theory. Computational and Theoretical Chemistry, 2008, 867, 71-77.	1.5	22
13	Facile Synthesis of Ordered Mesoporous Carbons with High Thermal Stability by Self-Assembly of Resorcinol-Formaldehyde and Block Copolymers under Highly Acidic Conditions. Langmuir, 2008, 24, 7500-7505.	1.6	291
14	Conceptual DFT: the chemical relevance of higher response functions. Physical Chemistry Chemical Physics, 2008, 10, 3028.	1.3	256
15	Redox properties and crystal structures of a Desulfovibrio vulgaris flavodoxin mutant in the monomeric and homodimeric forms. Biochimica Et Biophysica Acta - Proteins and Proteomics, 2009, 1794, 496-505.	1.1	4
16	An Analysis of the Different Behavior of DNA and RNA through the Study of the Mutual Relationship between Stacking and Hydrogen Bonding. Journal of Physical Chemistry B, 2009, 113, 4907-4914.	1.2	47
17	Cooperativity of π -stacking and hydrogen bonding interactions and substituent effects on X-ben π -pyr π -H π -F complexes. Physical Chemistry Chemical Physics, 2009, 11, 11424.	1.3	43
18	On the applicability of local softness and hardness. Physical Chemistry Chemical Physics, 2010, 12, 1072-1080.	1.3	98

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19	Theoretical ab initio study of substituted benzene trimer: Interplay between hydrogen bonding and π - π interactions. Computational and Theoretical Chemistry, 2011, 975, 106-110.	1.1	7
20	A new approach to local hardness. Physical Chemistry Chemical Physics, 2011, 13, 15003.	1.3	36
21	Rationalization and In Vitro Modeling of the Chemical Mechanisms of the Enzymatic Oxidation of Phenolic Compounds in Plants: From Flavonols and Stilbenoids to Lignins. Chemistry - A European Journal, 2011, 17, 7282-7287.	1.7	12
22	The Synthetic Effects of Iron with Sulfur and Fluorine on Photoabsorption and Photocatalytic Performance in Codoped. International Journal of Photoenergy, 2012, 2012, 1-7.	1.4	2
23	Combined Effects of π - π Stacking and Hydrogen Bonding on the (N1) Acidity of Uracil and Hydrolysis of 2-Deoxyuridine. Journal of Physical Chemistry B, 2012, 116, 2622-2632.	1.2	15
24	Why the traditional concept of local hardness does not work. Theoretical Chemistry Accounts, 2012, 131, 1.	0.5	27
25	A comparative study of the dimers of selected hydroxybenzenes. International Journal of Quantum Chemistry, 2012, 112, 519-531.	1.0	18
26	Determination of pK_a for substituted benzoic acids in mixed solvent using density functional theory and QSPR. International Journal of Quantum Chemistry, 2012, 112, 683-694.	1.0	10
27	Internal Catalytic Effect of Bulky NHC Ligands in Suzuki-Miyaura Cross-Coupling Reaction. ACS Catalysis, 2013, 3, 1984-1991.	5.5	47
28	Theoretical investigation of the coupling between hydrogen atoms transfer and stacking interaction in guanine-cytosine dimers. Physical Chemistry Chemical Physics, 2013, 15, 19242.	1.3	11
29	Helical inversion reaction pathways for tetrameric o-phenylene oligomers. Chemical Physics Letters, 2013, 582, 44-48.	1.2	4
30	Theoretical Investigation of the Coupling between Hydrogen Atom Transfer and Stacking Interaction in Adenine-Thymine Dimers. ChemPhysChem, 2013, 14, 1256-1263.	1.0	15
31	Proton affinity and gas-phase basicity of hydroxyquinol: A computational study. Journal of Chemical Thermodynamics, 2014, 73, 171-177.	1.0	6
32	Eco-Friendly Catalytic Systems Based on Carbon-Supported Magnesium Oxide Materials for the Friedländer Condensation. ChemCatChem, 2014, 6, 3440-3447.	1.8	16
33	Characterization of Titratable Amphiphiles in Lipid Membranes by Fluorescence Spectroscopy. Langmuir, 2015, 31, 12362-12371.	1.6	9
34	π -Stacking assisted redox active peptide-gallol conjugate: synthesis of a new generation of low-toxicity antimicrobial silver nanoparticles. RSC Advances, 2016, 6, 85254-85260.	1.7	6
35	The influence of substituents on cooperativity between $CH\cdots\pi$ and $N\cdots H$ hydrogen bonds in a T-shaped configuration: X-benzene- π (FH \cdots pyrazine \cdots HF) complexes as a working model. Structural Chemistry, 2016, 27, 1521-1530.	1.0	3
36	Computational Studies of Supramolecular Systems: Resorcinarenes and Pyrogallolarenes. , 2017, , 303-342.		2

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37	Electronically excited states of carbazole-modified ortho-phenylenes. <i>Chemical Physics Letters</i> , 2018, 693, 95-100.	1.2	1
38	Correlations between the ¹ H NMR chemical shieldings and the pK _a values of organic acids and amines. <i>Journal of Molecular Modeling</i> , 2018, 24, 146.	0.8	3
39	Dramatic Enhancement of Binding Affinities Between Foldamer-Based Receptors and Anions by Intra-Receptor π -Stacking. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 10441-10445.	7.2	18
40	Dramatic Enhancement of Binding Affinities Between Foldamer-Based Receptors and Anions by Intra-Receptor π -Stacking. <i>Angewandte Chemie</i> , 2020, 132, 10527-10531.	1.6	4
41	Multiscale Structural Characterization of Biobased Diallyl-Eugenol Polymer Networks. <i>Macromolecules</i> , 2020, 53, 2187-2197.	2.2	16
42	Proton affinity and gas-phase basicity of pyrogallol and phloroglucinol: a computational study. <i>Journal of Coordination Chemistry</i> , 2021, 74, 61-73.	0.8	2
43	6-Halopyridylmethylidene Penicillin-Based Sulfones Efficiently Inactivate the Natural Resistance of <i>Pseudomonas aeruginosa</i> to β -Lactam Antibiotics. <i>Journal of Medicinal Chemistry</i> , 2021, 64, 6310-6328.	2.9	10
44	Integrating Antioxidant Functionality into Polymer Materials: Fundamentals, Strategies, and Applications. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 41372-41395.	4.0	45
45	Aromaticity effect on supramolecular aggregation. Aromatic vs. cyclic monohydroxy alcohols. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2022, 276, 121235.	2.0	6
46	Tailoring the interaction between a gold nanocluster and a fluorescent dye by cluster size: creating a toolbox of range-adjustable pH sensors. <i>Nanoscale Advances</i> , 2022, 4, 4579-4588.	2.2	6
47	Effect of Functionalized Benzene Derivatives as Potential Hole Scavengers for BiVO ₄ and rGO-BiVO ₄ Photoelectrocatalytic Hydrogen Evolution. <i>Molecules</i> , 2022, 27, 7806.	1.7	1
48	Investigating the pH dependence of thermal signatures in monohydric and polyhydric alcohols using time-resolved thermal lens spectroscopy. <i>Optical Materials</i> , 2023, 137, 113623.	1.7	0