

Kwnag-Im Oh

List of Publications by Year in descending order

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27
papers

1,021
citations

471509

17
h-index

552781

26
g-index

28
all docs

28
docs citations

28
times ranked

974
citing authors

#	ARTICLE	IF	CITATIONS
1	Nitrile and thiocyanate IR probes: Quantum chemistry calculation studies and multivariate least-square fitting analysis. <i>Journal of Chemical Physics</i> , 2008, 128, 134506.	3.0	168
2	Nitrile and thiocyanate IR probes: Molecular dynamics simulation studies. <i>Journal of Chemical Physics</i> , 2008, 128, 154504.	3.0	124
3	$\hat{\nu}^2$ -Azidoalanine as an IR Probe: Application to Amyloid A $\hat{\nu}^2$ (16-22) Aggregation. <i>Journal of Physical Chemistry B</i> , 2008, 112, 10352-10357.	2.6	108
4	Quantifying Hydrogen-Bond Populations in Dimethyl Sulfoxide/Water Mixtures. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 11375-11379.	13.8	94
5	Classical and quantum mechanical/molecular mechanical molecular dynamics simulations of alanine dipeptide in water: Comparisons with IR and vibrational circular dichroism spectra. <i>Journal of Chemical Physics</i> , 2008, 128, 105106.	3.0	78
6	Azido-derivatized compounds as IR probes of local electrostatic environment: Theoretical studies. <i>Journal of Chemical Physics</i> , 2008, 129, 174512.	3.0	72
7	Circular dichroism eigenspectra of polyproline II and $\hat{\nu}^2$ -strand conformers of trialanine in water: Singular value decomposition analysis. <i>Chirality</i> , 2010, 22, E186-201.	2.6	39
8	Structure of N-Acetylproline Amide in Liquid Water: Experimentally Measured and Numerically Simulated Infrared and Vibrational Circular Dichroism Spectra. <i>Journal of Physical Chemistry B</i> , 2006, 110, 18834-18843.	2.6	38
9	Crowding Stabilizes DMSO-Water Hydrogen-Bonding Interactions. <i>Journal of Physical Chemistry B</i> , 2018, 122, 5984-5990.	2.6	37
10	A comprehensive library of blocked dipeptides reveals intrinsic backbone conformational propensities of unfolded proteins. <i>Proteins: Structure, Function and Bioinformatics</i> , 2012, 80, 977-990.	2.6	30
11	Liquid-Liquid Phase Separation Produces Fast H-Bond Dynamics in DMSO-Water Mixtures. <i>Journal of Physical Chemistry Letters</i> , 2020, 11, 1903-1908.	4.6	28
12	Azido Gauche Effect on the Backbone Conformation of $\hat{\nu}^2$ -Azidoalanine Peptides. <i>Journal of Physical Chemistry B</i> , 2010, 114, 13021-13029.	2.6	27
13	Quantifying Hydrogen-Bond Populations in Dimethyl Sulfoxide/Water Mixtures. <i>Angewandte Chemie</i> , 2017, 129, 11533-11537.	2.0	25
14	Conformational distributions of denatured and unstructured proteins are similar to those of 20-20 blocked dipeptides. <i>Journal of Biomolecular NMR</i> , 2012, 53, 25-41.	2.8	22
15	Site-Specific Hydrogen-Bonding Interaction between N-Acetylproline Amide and Protic Solvent Molecules: Comparisons of IR and VCD Measurements with MD Simulations. <i>Journal of Physical Chemistry A</i> , 2006, 110, 13355-13365.	2.5	20
16	Dipeptide Structure Determination by Vibrational Circular Dichroism Combined with Quantum Chemistry Calculations. <i>ChemPhysChem</i> , 2007, 8, 2218-2226.	2.1	19
17	Molecular heterogeneity in aqueous cosolvent systems. <i>Journal of Chemical Physics</i> , 2020, 152, 190901.	3.0	17
18	How Sensitive is the Amide...I Vibration of the Polypeptide Backbone to Electric Fields?. <i>ChemPhysChem</i> , 2015, 16, 3595-3598.	2.1	16

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19	Empirical S=O stretch vibrational frequency map. <i>Journal of Chemical Physics</i> , 2019, 151, 234107.	3.0	16
20	Dynamics Studies of DNA with Non-canonical Structure Using NMR Spectroscopy. <i>International Journal of Molecular Sciences</i> , 2020, 21, 2673.	4.1	12
21	Neighboring Residue Effects in Terminally Blocked Dipeptides: Implications for Residual Secondary Structures in Intrinsically Unfolded/Disordered Proteins. <i>Chirality</i> , 2014, 26, 443-452.	2.6	11
22	Non-Canonical Helical Structure of Nucleic Acids Containing Base-Modified Nucleotides. <i>International Journal of Molecular Sciences</i> , 2021, 22, 9552.	4.1	9
23	Kinetics of peptide folding in lipid membranes. <i>Biopolymers</i> , 2015, 104, 281-290.	2.4	5
24	Protein-induced B-Z transition of DNA duplex containing a 2'-O-Me guanosine. <i>Biochemical and Biophysical Research Communications</i> , 2020, 533, 417-423.	2.1	2
25	Systematic Approach to Find the Global Minimum of Relaxation Dispersion Data for Protein-Induced B \leftrightarrow Z Transition of DNA. <i>International Journal of Molecular Sciences</i> , 2021, 22, 3517.	4.1	2
26	Conformational exchange of the Z β domain of human RNA editing enzyme ADAR1 studied by NMR spectroscopy. <i>Biochemical and Biophysical Research Communications</i> , 2021, 580, 63-66.	2.1	2
27	Titelbild: Quantifying Hydrogen-Bond Populations in Dimethyl Sulfoxide/Water Mixtures (<i>Angew. Chem.</i>)	1.0	0