Soonmin Jang

List of Publications by Year
in descending order

34 papers	669 citations	687220 13 h-index	552653 26 g-index
36 all docs	36 docs citations	36 times ranked	746 citing authors

#	Article	IF	Citations
1	Detection of benzalkonium chloride on glass surfaces using silver nanoparticles. Bulletin of the Korean Chemical Society, 2022, 43, 246-254.	1.0	4
2	Surface-dependent gas equilibrium of semi-volatile organic compounds on glass, wood, and polyurethane foam using SPME-GC/MS. Chemosphere, 2022, 291, 132869.	4.2	4
3	The point mutation of the cholesterol trafficking membrane protein NPC1 may affect its proper function in more than a single step: Molecular dynamics simulation study. Computational Biology and Chemistry, 2022, 99, 107725.	1.1	2
4	Molecular dynamics study with mutation shows that Nâ€terminal domain structural reâ€orientation in Niemannâ€Pick type C1 is required for proper alignment of cholesterol transport. Journal of Neurochemistry, 2021, 156, 967-978.	2.1	8
5	Characterization of the fragmentation behaviors of protonated Î±â€cyclodextrin generated by electrospray ionization. Rapid Communications in Mass Spectrometry, 2021, 35, e8967.	0.7	0
6	Computational Probing of Temperature-Dependent Unfolding of a Small Globular Protein: From Cold to Heat Denaturation. Journal of Chemical Theory and Computation, 2021, 17, 515-524.	2.3	7
7	Surface-Enhanced Raman Sensing of Semi-Volatile Organic Compounds by Plasmonic Nanostructures. Nanomaterials, 2021, 11, 2619.	1.9	5
8	Equilibrium structures of water molecules confined within a multiply connected carbon nanotube: a molecular dynamics study. Physical Chemistry Chemical Physics, 2020, 22, 252-257.	1.3	5
9	Vibrational Spectroscopic Estimation of Semivolatile Organic Compound Evaporation From Glass Surfaces. Bulletin of the Korean Chemical Society, 2020, 41, 1169-1174.	1.0	2
10	Crystal structures of Uso1 membrane tether reveal an alternative conformation in the globular head domain. Scientific Reports, 2020, 10, 9544.	1.6	7
11	A fluoride selective water-soluble anion receptor based on a 1,2-phenylenediacetic acid and calcium ion dimer. New Journal of Chemistry, 2019, 43, 13690-13695.	1.4	0
12	Conformational sampling of metastable states: Tq-REM as a novel replica exchange method. Physical Chemistry Chemical Physics, 2017, 19, 5454-5464.	1.3	2
13	The contribution of polar Câ€“H hydrogen bonds to anion binding. New Journal of Chemistry, 2016, 40, 794-802.	1.4	7
14	Investigation on critical structural motifs of ligands for triggering glucocorticoid receptor nuclear migration through molecular docking simulations. Journal of Biomolecular Structure and Dynamics, 2016, 34, 1214-1231.	2.0	11
15	The role of the acidic domain of Î±-synuclein in amyloid fibril formation: a molecular dynamics study. Journal of Biomolecular Structure and Dynamics, 2016, 34, 376-383.	2.0	19
16	Solidâ€Phase Total Synthesis of the Proposed Structure of Coibamide A and Its Derivative: Highly Methylated Cyclic Depsipeptides. European Journal of Organic Chemistry, 2015, 2015, 7043-7052.	1.2	19
17	Dual facilitated transport of CO2 using electrospun composite membranes containing Ionic liquid. Journal of Membrane Science, 2015, 479, 77-84.	4.1	16
18	A fully atomistic computer simulation study of cold denaturation of a Î²-hairpin. Nature Communications, 2014, 5, 5773.	5.8	44

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19	Symmetrically functionalized diketopyrrolopyrrole with alkylated thiophene moiety: from synthesis to electronic devices applications. Journal of Materials Science, 2014, 49, 4215-4224.	1.7	11
20	The Structural Study of Copperâ€binding Peptides: Implication in the Aggregation of Amyloidâ€Î² Peptides. Journal of the Chinese Chemical Society, 2013, 60, 891-897.	0.8	1
21	Formation of metal complex ions from amino acid in the presence of Li⁺, Na⁺ and K⁺ by electrospray ionization: metal replacement of hydrogen in the ligands. Journal of Mass Spectrometry, 2011, 46, 496-501.	0.7	12
22	Docking study of the precursor peptide of matoparan onto its putative processing enzyme, dipeptidyl peptidase IV: a revisit to molecular ticketing. Journal of Computer-Aided Molecular Design, 2010, 24, 213-224.	1.3	1
23	Geometric Effects on Conductance in Single Molecule Electron Transport Junctions. Journal of the Chinese Chemical Society, 2009, 56, 1198-1204.	0.8	0
24	Comparison of ionization behaviors of ring and linear carbohydrates in MALDI-TOFMS. International Journal of Mass Spectrometry, 2009, 279, 53-58.	0.7	16
25	Energy Landscapes Associated with the Self-Aggregation of an Alanine-Based Oligopeptide (AAKA)₄. Journal of Physical Chemistry B, 2009, 113, 6054-6061.	1.2	19
26	Computational Study on the Structural Diversity of Amyloid Beta Peptide (AÎ²₁₀₋₃₅) Oligomers. Journal of Physical Chemistry B, 2008, 112, 3479-3484.	1.2	52
27	All-atom level direct folding simulation of a Î²Î²Î± miniprotein. Journal of Chemical Physics, 2008, 128, 105102.	1.2	16
28	Amyloid Î²-Peptide OligomerizationinSilico:Â Dimer and Trimer. Journal of Physical Chemistry B, 2006, 110, 1955-1958.	1.2	63
29	Free energy surfaces of miniproteins with a Î²Î²Î± motif: Replica exchange molecular dynamics simulation with an implicit solvation model. Proteins: Structure, Function and Bioinformatics, 2005, 62, 663-671.	1.5	34
30	Structure of 4-biphenylthiolate on Au nanoparticle surfaces studied by UV-Vis absorption spectroscopy, transmission electron microscopy and surface-enhanced Raman scattering. Surface and Interface Analysis, 2004, 36, 43-48.	0.8	6
31	Replica-Exchange Method Using the Generalized Effective Potential. Physical Review Letters, 2003, 91, 058305.	2.9	91
32	Ab Initio Folding of Helix Bundle Proteins Using Molecular Dynamics Simulations. Journal of the American Chemical Society, 2003, 125, 14841-14846.	6.6	112
33	Prediction of helical peptide folding in an implicit water by a new molecular dynamics scheme with generalized effective potential. Journal of Chemical Physics, 2002, 116, 6831-6835.	1.2	11
34	Molecular Dynamics Study of Peptides in Implicit Water:Â Ab Initio Folding of Î²-Hairpin, Î²-Sheet, and Î²Î²Î±-motif. Journal of the American Chemical Society, 2002, 124, 4976-4977.	6.6	62