Joanna Makowska

List of Publications by Year in descending order

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40 papers	598 citations	687363 13 h-index	610901 24 g-index
40 all docs	40 docs citations	40 times ranked	723 citing authors

#	Article	IF	Citations
1	Influence of Temperature and Salt Concentration on the Hydrophobic Interactions of Adamantane and Hexane. Journal of Physical Chemistry B, 2022, 126, 634-642.	2.6	2
2	Modification of amino-acid sequence of cosmetic peptide Eyeseryl enhances the affinity towards copper(II) ion. Polyhedron, 2022, 222, 115948.	2.2	1
3	Cloning and Characterization of a Thermostable Endolysin of Bacteriophage TP-84 as a Potential Disinfectant and Biofilm-Removing Biological Agent. International Journal of Molecular Sciences, 2022, 23, 7612.	4.1	9
4	Novel Lytic Enzyme of Prophage Origin from Clostridium botulinum E3 Strain Alaska E43 with Bactericidal Activity against Clostridial Cells. International Journal of Molecular Sciences, 2021, 22, 9536.	4.1	5
5	Physicochemical nature of sodium dodecyl sulfate interactions with bovine serum albumin revealed by interdisciplinary approaches. Journal of Molecular Liquids, 2021, 340, 117185.	4.9	10
6	Key role of histidine residues orientation in affinity binding of model pentapeptides with Ni2+ ions: A theoretical supported experimental study. Journal of Molecular Liquids, 2021, 341, 117414.	4.9	3
7	Effect of Tetraphenylborate on Physicochemical Properties of Bovine Serum Albumin. Molecules, 2021, 26, 6565.	3.8	7
8	Acidic-basic properties of arginine-rich peptide fragments derived from the human Pin1 protein. Journal of Molecular Liquids, 2020, 312, 113379.	4.9	2
9	A Pentapeptide with Tyrosine Moiety as Fluorescent Chemosensor for Selective Nanomolar-Level Detection of Copper(II) Ions. International Journal of Molecular Sciences, 2020, 21, 743.	4.1	15
10	Interactions of AÎ²1-42 Peptide and Its Three Fragments (AÎ²8-12, AÎ²8-13, and AÎ²5-16) with Selected Nonsteroidal Drugs and Compounds of Natural Origin. Symmetry, 2020, 12, 1579.	2.2	0
11	Probing the binding selected metal ions and biologically active substances to the antimicrobial peptide LL-37 using DSC, ITC measurements and calculations. Journal of Thermal Analysis and Calorimetry, 2019, 138, 4523-4529.	3.6	11
12	The Identification of Polyester Fibers Dyed with Disperse Dyes for Forensic Purposes. Molecules, 2019, 24, 613.	3.8	20
13	Copper(II) coordination properties of GxG peptides: Key role of side chains of central residues on coordination of formed systems; combined potentiometric and ITC studies. Journal of Chemical Thermodynamics, 2019, 128, 336-343.	2.0	4
14	Investigation of the Binding Properties of the Cosmetic Peptide Argireline and Its Derivatives Towards Copper(II) Ions. Journal of Solution Chemistry, 2018, 47, 80-91.	1.2	3
15	Copper(II) complexation by fragment of central part of FBP28 protein from Mus musculus. Biophysical Chemistry, 2018, 241, 55-60.	2.8	13
16	Conformation-dependent affinity of Cu(II) ions peptide complexes derived from the human Pin1 protein. Journal of Thermal Analysis and Calorimetry, 2017, 127, 1431-1443.	3.6	8
17	Selection of Effective HTRA3 Activators Using Combinatorial Chemistry. ACS Combinatorial Science, 2017, 19, 565-573.	3.8	1
18	Physicochemical and Structural Studies on Shaping of Î²-hairpin in Proteins as a First Stage of Amyloid Formation. Current Protein and Peptide Science, 2017, 18, 1244-1253.	1.4	0

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19	Probing the binding of Cu 2+ ions to a fragment of the AÎ² (1â€“42) polypeptide using fluorescence spectroscopy, isothermal titration calorimetry and molecular dynamics simulations. Biophysical Chemistry, 2016, 216, 44-50.	2.8	13
20	Binding of Cu(II) ions to peptides studied by fluorescence spectroscopy and isothermal titration calorimetry. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2016, 153, 451-456.	3.9	21
21	Biochemical Characterization and Validation of a Catalytic Site of a Highly Thermostable Ts2631 Endolysin from the Thermus scotoductus Phage vB_Tsc2631. PLoS ONE, 2015, 10, e0137374.	2.5	38
22	Thermodynamical Studies of an Example Peptide Containing Metaaminobenzoic Acid (MABA) that Promotes Bends in Proteins. Journal of Solution Chemistry, 2015, 44, 223-236.	1.2	0
23	Thermodynamics of sodium dodecyl sulphate (SDS) micellization in the presence of some biologically relevant pH buffers. Journal of Thermal Analysis and Calorimetry, 2015, 121, 257-261.	3.6	22
24	Investigations of copper(II) complexation by fragments of the FBP28 protein using isothermal titration (ITC) and differential scanning calorimetry (DSC). Journal of Thermal Analysis and Calorimetry, 2015, 121, 263-268.	3.6	3
25	A Study of the Influence of Charged Residues on Î²-Hairpin Formation by Nuclear Magnetic Resonance and Molecular Dynamics. Protein Journal, 2014, 33, 525-535.	1.6	10
26	Preliminary studies on trigonelline as potential anti-Alzheimer disease agent: Determination by hydrophilic interaction liquid chromatography and modeling of interactions with beta-amyloid. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2014, 968, 101-104.	2.3	33
27	Studies of conformational preferences of derivatives fragments of protein G (1IGD) using temperature dependent potentiometric titration methodology. Journal of Chemical Thermodynamics, 2014, 70, 88-94.	2.0	2
28	Influence of the Length of the Alanine Spacer on the Acidicâ€“Basic Properties of the Acâ€“Lysâ€“(Ala) n â€“Lysâ€“NH2 Peptides (nÂ=Â0, 1, 2, â€¦, 5). Journal of Solution Chemistry, 2012, 41, 1738-1746.	1.2	5
29	Thermodynamics of the Protonation Equilibria of Two Fragments of N-Terminal Î²-Hairpin of FPB28 WW Domain. Journal of Physical Chemistry B, 2012, 116, 653-659.	2.6	4
30	Likeâ€charged residues at the ends of oligoalanine sequences might induce a chain reversal. Biopolymers, 2012, 97, 240-249.	2.4	8
31	Mechanism of formation of the Câ€terminal Î²â€hairpin of the B3 domain of the immunoglobulin binding protein G from Streptococcus. I. Importance of hydrophobic interactions in stabilization of Î²â€hairpin structure. Proteins: Structure, Function and Bioinformatics, 2009, 75, 931-953.	2.6	23
32	Acidicâ€basic properties of three alanineâ€based peptides containing acidic and basic side chains: Comparison between theory and experiment. Biopolymers, 2008, 90, 724-732.	2.4	18
33	Influence of charge and size of terminal aminoâ€acid residues on local conformational states and shape of alanineâ€based peptides. Biopolymers, 2008, 90, 772-782.	2.4	18
34	Further Evidence for the Absence of Polyproline II Stretch in the XAO Peptide. Biophysical Journal, 2007, 92, 2904-2917.	0.5	51
35	Assessment of Two Theoretical Methods to Estimate Potentiometric Titration Curves of Peptides:Â Comparison with Experiment. Journal of Physical Chemistry B, 2006, 110, 4451-4458.	2.6	16
36	Polyproline II conformation is one of many local conformational states and is not an overall conformation of unfolded peptides and proteins. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 1744-1749.	7.1	156

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37	Theoretical calculations of homoconjugation equilibrium constants in systems modeling acid-base interactions in side chains of biomolecules using the potential of mean force. Journal of Computational Chemistry, 2005, 26, 235-242.	3.3	8
38	Interplay of charge distribution and conformation in peptides: Comparison of theory and experiment. Biopolymers, 2005, 80, 214-224.	2.4	8
39	Ab Initio Studies on Acidâ^'Base Equilibria of Substituted Phenols. Journal of Physical Chemistry A, 2004, 108, 10354-10358.	2.5	12
40	Theoretical Calculations of Heteroconjugation Equilibrium Constants in Systems Modeling Acidâ^'Base Interactions in Side Chains of Biomolecules Using the Potential of Mean Force. Journal of Physical Chemistry B, 2004, 108, 12222-12230.	2.6	15