

Andrea Pica

List of Publications by Year in descending order

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471061

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1357
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#	ARTICLE	IF	CITATIONS
1	NMR Spectroscopic Assignment of Backbone and Side-Chain Protons in Fully Protonated Proteins: Microcrystals, Sedimented Assemblies, and Amyloid Fibrils. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 15504-15509.	7.2	116
2	Duplex-quadruplex motifs in a peculiar structural organization cooperatively contribute to thrombin binding of a DNA aptamer. <i>Acta Crystallographica Section D: Biological Crystallography</i> , 2013, 69, 2403-2411.	2.5	70
3	An alternative explanation of the cononsolvency of poly(N-isopropylacrylamide) in water-methanol solutions. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 25601-25608.	1.3	63
4	Dynamic Nuclear Polarization-Enhanced Biomolecular NMR Spectroscopy at High Magnetic Field with Fast Magic-Angle Spinning. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 7458-7462.	7.2	56
5	Different duplex/quadruplex junctions determine the properties of anti-thrombin aptamers with mixed folding. <i>Nucleic Acids Research</i> , 2016, 44, 983-991.	6.5	54
6	Through-bond effects in the ternary complexes of thrombin sandwiched by two DNA aptamers. <i>Nucleic Acids Research</i> , 2017, 45, 461-469.	6.5	53
7	Dissecting the contribution of thrombin exosite I in the recognition of thrombin binding aptamer. <i>FEBS Journal</i> , 2013, 280, 6581-6588.	2.2	44
8	Probing the activity of diguanylate cyclases and c-di-GMP phosphodiesterases in real-time by CD spectroscopy. <i>Nucleic Acids Research</i> , 2013, 41, e79-e79.	6.5	42
9	On the effect of sodium salts on the coil-to-globule transition of poly(N-isopropylacrylamide). <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 27750-27757.	1.3	39
10	Sweeter and stronger: enhancing sweetness and stability of the single chain monellin MNEI through molecular design. <i>Scientific Reports</i> , 2016, 6, 34045.	1.6	38
11	Shedding light on the extra thermal stability of thermophilic proteins. <i>Biopolymers</i> , 2016, 105, 856-863.	1.2	33
12	Principles and methods used to grow and optimize crystals of protein-metallo drug adducts, to determine metal binding sites and to assign metal ligands. <i>Metallomics</i> , 2017, 9, 1534-1547.	1.0	31
13	Effect of temperature on the interaction of cisplatin with the model protein hen egg white lysozyme. <i>Journal of Biological Inorganic Chemistry</i> , 2016, 21, 433-442.	1.1	28
14	On urea's ability to stabilize the globule state of poly(N-isopropylacrylamide). <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 14426-14433.	1.3	24
15	The maturation mechanism of $\hat{\Gamma}^3$ -glutamyl transpeptidases: Insights from the crystal structure of a precursor mimic of the enzyme from <i>Bacillus licheniformis</i> and from site-directed mutagenesis studies. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2016, 1864, 195-203.	1.1	24
16	Encapsulation of the Dinuclear Trithiolato-Bridged Arene Ruthenium Complex Diruthenium in an Apoferritin Nanocage: Structure and Cytotoxicity. <i>ChemMedChem</i> , 2019, 14, 594-602.	1.6	22
17	Effect of NaCl on the conformational stability of the thermophilic $\hat{\Gamma}^3$ -glutamyltranspeptidase from <i>Geobacillus thermodenitrificans</i> : Implication for globular protein halotolerance. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2013, 1834, 149-157.	1.1	21
18	Exploring the unfolding mechanism of $\hat{\Gamma}^3$ -glutamyltranspeptidases: The case of the thermophilic enzyme from <i>Geobacillus thermodenitrificans</i> . <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2012, 1824, 571-577.	1.1	17

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19	Onconase dimerization through 3D domain swapping: structural investigations and increase in the apoptotic effect in cancer cells*. <i>Biochemical Journal</i> , 2017, 474, 3767-3781.	1.7	17
20	Selective X-ray-induced NO photodissociation in haemoglobin crystals: evidence from a Raman-assisted crystallographic study. <i>Acta Crystallographica Section D: Biological Crystallography</i> , 2013, 69, 137-140.	2.5	15
21	Fine tuning of metal-specific activity in the Mn-like group of cambialistic superoxide dismutases. <i>RSC Advances</i> , 2015, 5, 87876-87887.	1.7	15
22	Three-dimensional domain swapping and supramolecular protein assembly: insights from the X-ray structure of a dimeric swapped variant of human pancreatic RNase. <i>Acta Crystallographica Section D: Biological Crystallography</i> , 2013, 69, 2116-2123.	2.5	14
23	pH driven fibrillar aggregation of the super-sweet protein Y65R-MNEI: A step-by-step structural analysis. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2018, 1862, 808-815.	1.1	13
24	Improving Protein Crystal Quality by the Without-Oil Microbatch Method: Crystallization and Preliminary X-ray Diffraction Analysis of Glutathione Synthetase from <i>Pseudoalteromonas haloplanktis</i> . <i>International Journal of Molecular Sciences</i> , 2011, 12, 6312-6319.	1.8	11
25	Effect of sodium thiocyanate and sodium perchlorate on poly(N-isopropylacrylamide) collapse. <i>Physical Chemistry Chemical Physics</i> , 2020, 22, 189-195.	1.3	9
26	The Automated Crystallography Pipelines at the EMBL HTX Facility in Grenoble. <i>Journal of Visualized Experiments</i> , 2021, , .	0.2	9
27	The multiple forms of bovine seminal ribonuclease: Structure and stability of a C-terminal swapped dimer. <i>FEBS Letters</i> , 2013, 587, 3755-3762.	1.3	8
28	Hydrophilic Pd ⁰ Complexes Based on Sugars for Efficient Suzuki-Miyaura Coupling in Aqueous Systems. <i>European Journal of Inorganic Chemistry</i> , 2014, 2014, 4199-4208.	1.0	8
29	Hydrostatic pressure effect on PNIPAM cononsolvency in water-methanol solutions. <i>Biophysical Chemistry</i> , 2017, 231, 34-38.	1.5	8
30	Dynamic Nuclear Polarization-Enhanced Biomolecular NMR Spectroscopy at High Magnetic Field with Fast Magic-Angle Spinning. <i>Angewandte Chemie</i> , 2018, 130, 7580-7584.	1.6	8
31	Effect of heavy water on the conformational stability of globular proteins. <i>Biopolymers</i> , 2018, 109, e23076.	1.2	8
32	Why does urea have a different effect on the collapse temperature of PDEAM and PNIPAM?. <i>Journal of Molecular Liquids</i> , 2019, 285, 204-212.	2.3	8
33	Why does TMAO stabilize the globule state of PNIPAM?. <i>Polymer</i> , 2017, 124, 101-106.	1.8	7
34	On the cononsolvency behaviour of hydrophobic clusters in water-methanol solutions. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 7230-7235.	1.3	5
35	On the Effect of Sodium Chloride and Sodium Sulfate on Cold Denaturation. <i>PLoS ONE</i> , 2015, 10, e0133550.	1.1	4
36	An automated platform for structural analysis of membrane proteins through serial crystallography. <i>Cell Reports Methods</i> , 2021, 1, 100102.	1.4	4

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37	Comment on "Relating side chain organization of PNIPAm with its conformation in aqueous methanol" by D. Mukherji, M. Wagner, M. D. Watson, S. Winzen, T. E. de Oliveira, C. M. Marques and K. Kremer, <i>Soft Matter</i> , 2016, 12, 7995. <i>Soft Matter</i> , 2017, 13, 7698-7700.	1.2	3
38	CrystalDirect-To-Beam: Opening the shortest path from crystal to data. <i>AIP Conference Proceedings</i> , 2019, , .	0.3	1
39	A Rationalization of the Effect That TMAO, Glycine, and Betaine Exert on the Collapse of Elastin-like Polypeptides. <i>Life</i> , 2022, 12, 140.	1.1	1