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List of Publications by Year in descending order

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57
papers

1,796
citations

257450

24
h-index

276875

41
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all docs

59
docs citations

59
times ranked

2145
citing authors

#	ARTICLE	IF	CITATIONS
1	High-resolution structures of two complexes between thrombin and thrombin-binding aptamer shed light on the role of cations in the aptamer inhibitory activity. <i>Nucleic Acids Research</i> , 2012, 40, 8119-8128.	14.5	221
2	Thrombinâ€‘aptamer recognition: a revealed ambiguity. <i>Nucleic Acids Research</i> , 2011, 39, 7858-7867.	14.5	138
3	An Overview of Biological Macromolecule Crystallization. <i>International Journal of Molecular Sciences</i> , 2013, 14, 11643-11691.	4.1	108
4	Structure and flexibility in cold-adapted iron superoxide dismutases: The case of the enzyme isolated from <i>Pseudoalteromonas haloplanktis</i> . <i>Journal of Structural Biology</i> , 2010, 172, 343-352.	2.8	73
5	Duplexâ€‘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
6	Structural Insights into the Quadruplexâ€‘Duplex 3â€‘2 Interface Formed from a Telomeric Repeat: A Potential Molecular Target. <i>Journal of the American Chemical Society</i> , 2016, 138, 1226-1233.	13.7	56
7	Different duplex/quadruplex junctions determine the properties of anti-thrombin aptamers with mixed folding. <i>Nucleic Acids Research</i> , 2016, 44, 983-991.	14.5	54
8	Through-bond effects in the ternary complexes of thrombin sandwiched by two DNA aptamers. <i>Nucleic Acids Research</i> , 2017, 45, 461-469.	14.5	53
9	Several structural motifs cooperate in determining the highly effective anti-thrombin activity of NU172 aptamer. <i>Nucleic Acids Research</i> , 2018, 46, 12177-12185.	14.5	51
10	Interactions of gold-based drugs with proteins: crystal structure of the adduct formed between ribonuclease A and a cytotoxic gold(iii) compound. <i>Metallomics</i> , 2014, 6, 233-236.	2.4	49
11	Increasing the X-ray Diffraction Power of Protein Crystals by Dehydration: The Case of Bovine Serum Albumin and a Survey of Literature Data. <i>International Journal of Molecular Sciences</i> , 2012, 13, 3782-3800.	4.1	46
12	Dissecting the contribution of thrombin exosite I in the recognition of thrombin binding aptamer. <i>FEBS Journal</i> , 2013, 280, 6581-6588.	4.7	44
13	Interactions of gold-based drugs with proteins: the structure and stability of the adduct formed in the reaction between lysozyme and the cytotoxic gold(iii) compound Auoxo3. <i>Dalton Transactions</i> , 2014, 43, 17483-17488.	3.3	43
14	Investigating the Ruthenium Metalation of Proteins: X-ray Structure and Raman Microspectroscopy of the Complex between RNase A and AziRu. <i>Inorganic Chemistry</i> , 2013, 52, 10714-10716.	4.0	42
15	A new RNase sheds light on the RNase/angiogenin subfamily from zebrafish. <i>Biochemical Journal</i> , 2011, 433, 345-355.	3.7	38
16	Fluorescent Thrombin Binding Aptamer-Tagged Nanoparticles for an Efficient and Reversible Control of Thrombin Activity. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 35574-35587.	8.0	36
17	Exploring the conformational behaviour and aggregation properties of lipid-conjugated AS1411 aptamers. <i>International Journal of Biological Macromolecules</i> , 2018, 118, 1384-1399.	7.5	36
18	Duplex/quadruplex oligonucleotides: Role of the duplex domain in the stabilization of a new generation of highly effective anti-thrombin aptamers. <i>International Journal of Biological Macromolecules</i> , 2018, 107, 1697-1705.	7.5	32

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19	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.	2.4	31
20	Structure and dynamics of cetyltrimethylammonium chloride-sodium dodecylsulfate (CTAC-SDS) catanionic vesicles: High-value nano-vehicles from low-cost surfactants. <i>Journal of Colloid and Interface Science</i> , 2017, 501, 112-122.	9.4	30
21	Interactions between Anticancer <i>trans</i> -Platinum Compounds and Proteins: Crystal Structures and ESI-MS Spectra of Two Protein Adducts of <i>trans</i> -(Dimethylamino)(methylamino)dichloridoplatinum(II). <i>Inorganic Chemistry</i> , 2014, 53, 7806-7808.	4.0	29
22	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.	2.6	28
23	Cisplatin-Protein Interactions: Unexpected Drug Binding to N-Terminal Amine and Lysine Side Chains. <i>Inorganic Chemistry</i> , 2016, 55, 7814-7816.	4.0	26
24	Towards the Development of Antioxidant Cerium Oxide Nanoparticles for Biomedical Applications: Controlling the Properties by Tuning Synthesis Conditions. <i>Nanomaterials</i> , 2021, 11, 542.	4.1	25
25	Physicochemical Approach to Understanding the Structure, Conformation, and Activity of Mannan Polysaccharides. <i>Biomacromolecules</i> , 2021, 22, 1445-1457.	5.4	25
26	Platinated oligomers of bovine pancreatic ribonuclease: Structure and stability. <i>Journal of Inorganic Biochemistry</i> , 2015, 146, 37-43.	3.5	24
27	Fine-tuning the properties of the thrombin binding aptamer through cyclization: Effect of the 5'-3' connecting linker on the aptamer stability and anticoagulant activity. <i>Bioorganic Chemistry</i> , 2020, 94, 103379.	4.1	23
28	Design, Synthesis and Characterization of Cyclic NU172 Analogues: A Biophysical and Biological Insight. <i>International Journal of Molecular Sciences</i> , 2020, 21, 3860.	4.1	23
29	Branched alkyldimethylamine oxide surfactants: An effective strategy for the design of high concentration/low viscosity surfactant formulations. <i>Journal of Colloid and Interface Science</i> , 2019, 552, 448-463.	9.4	22
30	Stability Is Not Everything: The Case of the Cyclisation of a Thrombin-Binding Aptamer. <i>ChemBioChem</i> , 2019, 20, 1789-1794.	2.6	22
31	Effect of NaCl on the conformational stability of the thermophilic \hat{I}^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.	2.3	21
32	Integrin-targeted AmpRGD sunitinib liposomes as integrated antiangiogenic tools. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2019, 18, 135-145.	3.3	21
33	Nucleophosmin-1 regions associated with acute myeloid leukemia interact differently with lipid membranes. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2018, 1862, 967-978.	2.4	19
34	Exploring the unfolding mechanism of \hat{I}^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.	2.3	17
35	"Dressing up" an Old Drug: An Aminoacyl Lipid for the Functionalization of Ru(III)-Based Anticancer Agents. <i>ACS Biomaterials Science and Engineering</i> , 2018, 4, 163-174.	5.2	16
36	Toward an antitumor form of bovine pancreatic ribonuclease: The crystal structure of three noncovalent dimeric mutants. <i>Biopolymers</i> , 2009, 91, 1029-1037.	2.4	15

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37	Crystallization and preliminary X-ray analysis of the complex of human $\hat{\pm}$ -thrombin with a modified thrombin-binding aptamer. <i>Acta Crystallographica Section F: Structural Biology Communications</i> , 2010, 66, 961-963.	0.7	15
38	Fine tuning of metal-specific activity in the Mn-like group of cambialistic superoxide dismutases. <i>RSC Advances</i> , 2015, 5, 87876-87887.	3.6	15
39	Safety and Efficacy Evaluation In Vivo of a Cationic Nucleolipid Nanosystem for the Nanodelivery of a Ruthenium(III) Complex with Superior Anticancer Bioactivity. <i>Cancers</i> , 2021, 13, 5164.	3.7	14
40	Missing gold atoms in lysozyme crystals used to grow gold nanoparticles. <i>Nature Nanotechnology</i> , 2015, 10, 285-285.	31.5	13
41	Diastereoselective Colloidal Self-Assembly Affects the Immunological Response of the Molecular Adjuvant Sulfavant. <i>ACS Omega</i> , 2019, 4, 7807-7814.	3.5	13
42	A novel ErbB2 epitope targeted by human antitumor immunoagents. <i>FEBS Journal</i> , 2011, 278, 1156-1166.	4.7	12
43	Synthesis, Surface Properties, and Self- $\hat{\text{A}}$ Aggregation Behavior of a Branched $\hat{\text{N}}$ Dimethylalkylamine Oxide Surfactant. <i>Journal of Surfactants and Detergents</i> , 2019, 22, 115-124.	2.1	12
44	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.	4.1	11
45	A regular thymine tetrad and a peculiar supramolecular assembly in the first crystal structure of an all-LNA G-quadruplex. <i>Acta Crystallographica Section D: Biological Crystallography</i> , 2014, 70, 362-370.	2.5	11
46	Interaction with Human Serum Proteins Reveals Biocompatibility of Phosphocholine-Functionalized SPIONs and Formation of Albumin-Decorated Nanoparticles. <i>Langmuir</i> , 2020, 36, 8777-8791.	3.5	11
47	Charge-Transfer Interactions Stabilize G-Quadruplex-Forming Thrombin Binding Aptamers and Can Improve Their Anticoagulant Activity. <i>International Journal of Molecular Sciences</i> , 2021, 22, 9510.	4.1	11
48	The multiple forms of bovine seminal ribonuclease: Structure and stability of a C-terminal swapped dimer. <i>FEBS Letters</i> , 2013, 587, 3755-3762.	2.8	8
49	Hydrophobically Modified Alkali Soluble Emulsion Polymers: Literature Review. <i>Journal of Surfactants and Detergents</i> , 2020, 23, 5-19.	2.1	8
50	Crystallization and Preliminary X-Ray Diffraction Studies of a Psychrophilic Iron Superoxide Dismutase from <i>Pseudoalteromonas haloplanktis</i> . <i>Protein and Peptide Letters</i> , 2008, 15, 415-418.	0.9	6
51	Structural and denaturation studies of two mutants of a cold adapted superoxide dismutase point to the importance of electrostatic interactions in protein stability. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2014, 1844, 632-640.	2.3	6
52	Order vs. Disorder: Cholesterol and Omega-3 Phospholipids Determine Biomembrane Organization. <i>International Journal of Molecular Sciences</i> , 2022, 23, 5322.	4.1	5
53	Identification of an active dimeric intermediate populated during the unfolding process of the cambialistic superoxide dismutase from <i>Streptococcus mutans</i> . <i>Biochimie</i> , 2012, 94, 768-775.	2.6	4
54	Poly-ethylene-vinyl alcohol microgels prepared through salting out: Rationalizing the aggregation process and tuning the microstructural properties. <i>Polymer</i> , 2018, 137, 122-131.	3.8	4

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55	Not just a fluidifying effect: omega-3 phospholipids induce formation of non-lamellar structures in biomembranes. <i>Soft Matter</i> , 2020, 16, 10425-10438.	2.7	4
56	Synthesis and Characterization of Multifunctional Nanovesicles Composed of POPC Lipid Molecules for Nuclear Imaging. <i>Molecules</i> , 2021, 26, 6591.	3.8	2
57	Reaction of Hg ²⁺ Insertion into Cysteine Pairs Within Bovine Insulin Crystals Followed via Raman Spectroscopy. <i>Journal of Solution Chemistry</i> , 2014, 43, 135-143.	1.2	1