

Alessandro Desideri

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261
papers

5,065
citations

36
h-index

49
g-index

268
ext. papers

5,576
ext. citations

5.3
avg, IF

5.14
L-index

#	Paper	IF	Citations
261	Temperature-controlled encapsulation and release of an active enzyme in the cavity of a self-assembled DNA nanocage. <i>ACS Nano</i> , 2013 , 7, 9724-34	16.7	113
260	Crystal structure of yeast Cu,Zn superoxide dismutase. Crystallographic refinement at 2.5 Å resolution. <i>Journal of Molecular Biology</i> , 1992 , 225, 791-809	6.5	110
259	Dysbiosis of gut microbiota in a selected population of Parkinson's patients. <i>Parkinsonism and Related Disorders</i> , 2019 , 65, 124-130	3.6	86
258	Synergistic antitumor effect between vorinostat and topotecan in small cell lung cancer cells is mediated by generation of reactive oxygen species and DNA damage-induced apoptosis. <i>Molecular Cancer Therapeutics</i> , 2009 , 8, 3075-87	6.1	84
257	Molecular dynamics simulation of solvated azurin: correlation between surface solvent accessibility and water residence times. <i>Proteins: Structure, Function and Bioinformatics</i> , 2000 , 39, 56-67	4.2	76
256	Single mutation in the linker domain confers protein flexibility and camptothecin resistance to human topoisomerase I. <i>Journal of Biological Chemistry</i> , 2003 , 278, 43268-75	5.4	75
255	Unique structural features of the monomeric Cu,Zn superoxide dismutase from <i>Escherichia coli</i> , revealed by X-ray crystallography. <i>Journal of Molecular Biology</i> , 1997 , 274, 408-20	6.5	73
254	Droplet microfluidics platform for highly sensitive and quantitative detection of malaria-causing <i>Plasmodium</i> parasites based on enzyme activity measurement. <i>ACS Nano</i> , 2012 , 6, 10676-83	16.7	70
253	Evolutionary conservativeness of electric field in the Cu,Zn superoxide dismutase active site. Evidence for co-ordinated mutation of charged amino acid residues. <i>Journal of Molecular Biology</i> , 1992 , 223, 337-42	6.5	70
252	An electrochemical multienzymatic biosensor for determination of cholesterol. <i>Bioelectrochemistry</i> , 2001 , 54, 17-22	5.6	65
251	Role of the dimeric structure in Cu,Zn superoxide dismutase. pH-dependent, reversible denaturation of the monomeric enzyme from <i>Escherichia coli</i> . <i>Journal of Biological Chemistry</i> , 1998 , 273, 5655-61	5.4	62
250	Impaired copper binding by the H46R mutant of human Cu,Zn superoxide dismutase, involved in amyotrophic lateral sclerosis. <i>FEBS Letters</i> , 1994 , 356, 314-6	3.8	61
249	Receptor-Mediated Entry of Pristine Octahedral DNA Nanocages in Mammalian Cells. <i>ACS Nano</i> , 2016 , 10, 5971-9	16.7	60
248	Evolutionary constraints for dimer formation in prokaryotic Cu,Zn superoxide dismutase. <i>Journal of Molecular Biology</i> , 1999 , 285, 283-96	6.5	59
247	Anion size modulates the structure of the A state of cytochrome c. <i>Biochemistry</i> , 2000 , 39, 12632-8	3.2	56
246	Oxidovanadium(IV) complexes with chrysin and silibinin: anticancer activity and mechanisms of action in a human colon adenocarcinoma model. <i>Journal of Biological Inorganic Chemistry</i> , 2015 , 20, 1175-91	3.7	54
245	Targeting tumor cells through chitosan-folate modified microcapsules loaded with camptothecin. <i>Bioconjugate Chemistry</i> , 2011 , 22, 1066-72	6.3	49

244	Functional analysis and molecular dynamics simulation of LOX-1 K167N polymorphism reveal alteration of receptor activity. <i>PLoS ONE</i> , 2009 , 4, e4648	3.7	47
243	Thr729 in human topoisomerase I modulates anti-cancer drug resistance by altering protein domain communications as suggested by molecular dynamics simulations. <i>Nucleic Acids Research</i> , 2008 , 36, 5645-51	20.1	46
242	Crystal structure solution and refinement of the semisynthetic cobalt-substituted bovine erythrocyte superoxide dismutase at 2.0 Å resolution. <i>Journal of Molecular Biology</i> , 1992 , 226, 227-38	6.5	46
241	Modulation of the catalytic rate of Cu,Zn superoxide dismutase in single and double mutants of conserved positively and negatively charged residues. <i>Biochemistry</i> , 1995 , 34, 6043-9	3.2	45
240	Nitric oxide binding to ferrous native horse heart cytochrome c and to its carboxymethylated derivative: a spectroscopic and thermodynamic study. <i>Journal of Inorganic Biochemistry</i> , 1994 , 53, 273-80	4.2	45
239	Selective targeting and degradation of doxorubicin-loaded folate-functionalized DNA nanocages. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2018 , 14, 1181-1190	6	44
238	Evidence of domain formation in cardiolipin-glycerophospholipid mixed monolayers. A thermodynamic and AFM study. <i>Journal of Physical Chemistry B</i> , 2005 , 109, 15950-7	3.4	44
237	Functional and crystallographic characterization of <i>Salmonella typhimurium</i> Cu,Zn superoxide dismutase coded by the <i>sodCI</i> virulence gene. <i>Journal of Molecular Biology</i> , 2000 , 302, 465-78	6.5	44
236	Interaction between natural compounds and human topoisomerase I. <i>Biological Chemistry</i> , 2012 , 393, 1327-40	4.5	43
235	Effect on DNA relaxation of the single Thr718Ala mutation in human topoisomerase I: a functional and molecular dynamics study. <i>Nucleic Acids Research</i> , 2005 , 33, 3339-50	20.1	43
234	Structure of nanoscale truncated octahedral DNA cages: variation of single-stranded linker regions and influence on assembly yields. <i>ACS Nano</i> , 2010 , 4, 1367-76	16.7	42
233	New hints on the Ph-driven tautomeric equilibria of the topotecan anticancer drug in aqueous solutions from an integrated spectroscopic and quantum-mechanical approach. <i>Journal of the American Chemical Society</i> , 2005 , 127, 15429-36	16.4	42
232	Protein concerted motions in the DNA-human topoisomerase I complex. <i>Nucleic Acids Research</i> , 2003 , 31, 1525-35	20.1	42
231	Structure of calmodulin complexed with an olfactory CNG channel fragment and role of the central linker: residual dipolar couplings to evaluate calmodulin binding modes outside the kinase family. <i>Journal of Biomolecular NMR</i> , 2005 , 31, 185-99	3	40
230	Azide, cyanide, fluoride, imidazole and pyridine binding to ferric and ferrous native horse heart cytochrome c and to its carboxymethylated derivative: a comparative study. <i>Journal of Inorganic Biochemistry</i> , 1996 , 62, 213-22	4.2	40
229	Tuning the isoelectric point of graphene by electrochemical functionalization. <i>Scientific Reports</i> , 2015 , 5, 11794	4.9	39
228	Effects of dutasteride on the expression of genes related to androgen metabolism and related pathway in human prostate cancer cell lines. <i>Investigational New Drugs</i> , 2007 , 25, 491-7	4.3	39
227	Detection of quasispecies variants predicted to use CXCR4 by ultra-deep pyrosequencing during early HIV infection. <i>Aids</i> , 2011 , 25, 611-7	3.5	37

226	Real-time detection of TDP1 activity using a fluorophore-quencher coupled DNA-biosensor. <i>Biosensors and Bioelectronics</i> , 2013 , 48, 230-7	11.8	36
225	Valproic acid induces neuroendocrine differentiation and UGT2B7 up-regulation in human prostate carcinoma cell line. <i>Drug Metabolism and Disposition</i> , 2007 , 35, 968-72	4	36
224	Real-Time Label-Free Direct Electronic Monitoring of Topoisomerase Enzyme Binding Kinetics on Graphene. <i>ACS Nano</i> , 2015 , 9, 11166-76	16.7	35
223	Gimatecan and other camptothecin derivatives poison Leishmania DNA-topoisomerase IB leading to a strong leishmanicidal effect. <i>Biochemical Pharmacology</i> , 2013 , 85, 1433-40	6	35
222	UV-vis spectra of the anticancer camptothecin family drugs in aqueous solution: specific spectroscopic signatures unraveled by a combined computational and experimental study. <i>Journal of Physical Chemistry B</i> , 2009 , 113, 5369-75	3.4	35
221	Erybraedin C, a natural compound from the plant Bituminaria bituminosa, inhibits both the cleavage and religation activities of human topoisomerase I. <i>Biochemical Journal</i> , 2010 , 425, 531-9	3.8	35
220	Role of the tertiary and quaternary structures in the stability of dimeric copper, zinc superoxide dismutases. <i>Archives of Biochemistry and Biophysics</i> , 2000 , 377, 215-8	4.1	34
219	Effect of oxindolimine copper(II) and zinc(II) complexes on human topoisomerase I activity. <i>Metallomics</i> , 2014 , 6, 117-25	4.5	33
218	Magnetic susceptibility studies of the native cupro-zinc superoxide dismutase and its cobalt-substituted derivatives. Antiferromagnetic coupling in the imidazolate-bridged copper(II)-cobalt(II) pair. <i>Journal of the American Chemical Society</i> , 1986 , 108, 300-302	16.4	33
217	Removal of non-blue copper from ascorbate oxidase. <i>FEBS Letters</i> , 1979 , 100, 318-20	3.8	32
216	Reconstitution of stellacyanin as a case of direct Cu(I) transfer between yeast copper thionein and 'blue' copper apoprotein. <i>FEBS Letters</i> , 1983 , 152, 94-6	3.8	31
215	The p53 tetramer shows an induced-fit interaction of the C-terminal domain with the DNA-binding domain. <i>Oncogene</i> , 2016 , 35, 3272-81	9.2	30
214	A Comparative Genomic Analysis Provides Novel Insights Into the Ecological Success of the Monophasic Serovar 4,[5],12:i:. <i>Frontiers in Microbiology</i> , 2018 , 9, 715	5.7	30
213	Structural and dynamical effects induced by the anticancer drug topotecan on the human topoisomerase I - DNA complex. <i>PLoS ONE</i> , 2010 , 5, e10934	3.7	30
212	Role of the electrostatic loop charged residues in Cu,Zn superoxide dismutase. <i>Protein Science</i> , 1998 , 7, 2354-8	6.3	30
211	Structural Evolution and Dynamics of the p53 Proteins. <i>Cold Spring Harbor Perspectives in Medicine</i> , 2017 , 7,	5.4	29
210	Structural dynamics of the mitochondrial ADP/ATP carrier revealed by molecular dynamics simulation studies. <i>Proteins: Structure, Function and Bioinformatics</i> , 2006 , 65, 681-91	4.2	29
209	Crystal structure of the cyanide-inhibited <i>Xenopus laevis</i> Cu,Zn superoxide dismutase at 98 K. <i>FEBS Letters</i> , 1994 , 349, 93-8	3.8	29

208	Evidence of the crucial role of the linker domain on the catalytic activity of human topoisomerase I by experimental and simulative characterization of the Lys681Ala mutant. <i>Nucleic Acids Research</i> , 2009 , 37, 6849-58	20.1	28
207	A novel heme protein, the Cu,Zn-superoxide dismutase from Haemophilus ducreyi. <i>Journal of Biological Chemistry</i> , 2001 , 276, 30326-34	5.4	28
206	Inhibition of glutathione transferase pi from human placenta by 1-chloro-2,4-dinitrobenzene occurs because of covalent reaction with cysteine 47. <i>Archives of Biochemistry and Biophysics</i> , 1992 , 297, 119-224.1	4.1	28
205	Cellular uptake of covalent and non-covalent DNA nanostructures with different sizes and geometries. <i>Nanoscale</i> , 2019 , 11, 10808-10818	7.7	27
204	Inhibition of human DNA topoisomerase IB by nonmutagenic ruthenium(II)-based compounds with antitumoral activity. <i>Metallomics</i> , 2016 , 8, 179-92	4.5	27
203	Spectroscopic characterization of recombinant Cu,Zn superoxide dismutase from Photobacterium leiognathi expressed in Escherichia coli: evidence for a novel catalytic copper binding site. <i>Biochemistry</i> , 1997 , 36, 7109-13	3.2	27
202	Cu,Zn superoxide dismutase from Photobacterium leiognathi is an hyperefficient enzyme. <i>Biochemistry</i> , 1998 , 37, 12287-92	3.2	27
201	Crystallographic study of azide-inhibited bovine Cu,Zn superoxide dismutase. <i>Journal of Molecular Biology</i> , 1994 , 240, 179-83	6.5	27
200	Conjugated eicosapentaenoic acid inhibits human topoisomerase IB with a mechanism different from camptothecin. <i>Archives of Biochemistry and Biophysics</i> , 2009 , 486, 103-10	4.1	26
199	Prokaryotic Cu,Zn superoxide dismutases. <i>Biochemical Society Transactions</i> , 2003 , 31, 1322-5	5.1	26
198	Effective binding force calculation in a dimeric protein by molecular dynamics simulation. <i>Journal of Chemical Physics</i> , 2002 , 116, 6329-6338	3.9	26
197	Reptile heme protein structure: X-ray crystallographic study of the aquo-met and cyano-met derivatives of the loggerhead sea turtle (Caretta caretta) myoglobin at 2.0 Å resolution. <i>Journal of Molecular Biology</i> , 1995 , 247, 459-65	6.5	26
196	Simulation of superoxide-superoxide dismutase association rate for six natural variants. Comparison with the experimental catalytic rate. <i>The Journal of Physical Chemistry</i> , 1994 , 98, 10554-10557		26
195	Molecular mechanism of the camptothecin resistance of Glu710Gly topoisomerase IB mutant analyzed in vitro and in silico. <i>Molecular Cancer</i> , 2013 , 12, 100	42.1	25
194	Beta-bungarotoxin-mediated liposome fusion: spectroscopic characterization by fluorescence and ESR. <i>Biochemistry</i> , 1990 , 29, 9644-51	3.2	25
193	A novel Co(II) binding site in copper-free superoxide dismutase: evidence for binding of cobalt at the copper binding site. <i>FEBS Letters</i> , 1979 , 106, 142-4	3.8	25
192	Molecular mechanism of statin-mediated LOX-1 inhibition. <i>Cell Cycle</i> , 2015 , 14, 1583-95	4.7	24
191	Molecular dynamics simulation of human LOX-1 provides an explanation for the lack of OxLDL binding to the Trp150Ala mutant. <i>BMC Structural Biology</i> , 2007 , 7, 73	2.7	24

190	Role of the linker domain and the 203-214 N-terminal residues in the human topoisomerase I DNA complex dynamics. <i>Biophysical Journal</i> , 2004 , 87, 4087-97	2.9	24
189	Conserved enzyme-substrate electrostatic attraction in prokaryotic Cu,Zn superoxide dismutases. <i>Biochemical and Biophysical Research Communications</i> , 1998 , 244, 908-11	3.4	24
188	Iron entry route in horse spleen apoferritin. Involvement of the three-fold channels as probed by selective reaction of cysteine-126 with the spin label 4-maleimido-tempo. <i>FEBS Letters</i> , 1991 , 287, 10-4	3.8	24
187	DNA hairpins promote temperature controlled cargo encapsulation in a truncated octahedral nanocage structure family. <i>Nanoscale</i> , 2016 , 8, 13333-41	7.7	23
186	Entry, fate and degradation of DNA nanocages in mammalian cells: a matter of receptors. <i>Nanoscale</i> , 2018 , 10, 12078-12086	7.7	23
185	Design of a novel LOX-1 receptor antagonist mimicking the natural substrate. <i>Biochemical and Biophysical Research Communications</i> , 2013 , 438, 340-5	3.4	23
184	Simulations of DNA topoisomerase 1B bound to supercoiled DNA reveal changes in the flexibility pattern of the enzyme and a secondary protein-DNA binding site. <i>Nucleic Acids Research</i> , 2014 , 42, 9304-12	20.1	23
183	Inhibition of human DNA topoisomerase IB by a cyclometalated gold III compound: analysis on the different steps of the enzyme catalytic cycle. <i>Archives of Biochemistry and Biophysics</i> , 2011 , 516, 108-12	4.1	23
182	Molecular dynamics simulation of the RNA complex of a double-stranded RNA-binding domain reveals dynamic features of the intermolecular interface and its hydration. <i>Biophysical Journal</i> , 2002 , 83, 3542-52	2.9	23
181	Structure and hydration of the DNA-human topoisomerase I covalent complex. <i>Biophysical Journal</i> , 2001 , 81, 490-500	2.9	23
180	Structure and stability of the insulin dimer investigated by molecular dynamics simulation. <i>Journal of Biomolecular Structure and Dynamics</i> , 2001 , 18, 761-72	3.6	23
179	Fourier transform infrared analysis of the interaction of azide with the active site of oxidized and reduced bovine Cu,Zn superoxide dismutase. <i>Biochemistry</i> , 1998 , 37, 4459-64	3.2	23
178	Reduced sensitivity of O ₂ transport to allosteric effectors and temperature in loggerhead sea turtle hemoglobin: functional and spectroscopic study. <i>BBA - Proteins and Proteomics</i> , 1992 , 1159, 129-33		23
177	Effect of Low-Protein Diet and Inulin on Microbiota and Clinical Parameters in Patients with Chronic Kidney Disease. <i>Nutrients</i> , 2019 , 11,	6.7	23
176	Deciphering the structural properties that confer stability to a DNA nanocage. <i>ACS Nano</i> , 2009 , 3, 1813-26	7.7	22
175	Palladium(ii) complexes with thiosemicarbazones derived from pyrene as topoisomerase IB inhibitors. <i>Dalton Transactions</i> , 2019 , 48, 16509-16517	4.3	22
174	Role of 13-(di)phenylalkyl berberine derivatives in the modulation of the activity of human topoisomerase IB. <i>International Journal of Biological Macromolecules</i> , 2015 , 77, 68-75	7.9	21
173	Role of the protein in the DNA sequence specificity of the cleavage site stabilized by the camptothecin topoisomerase IB inhibitor: a metadynamics study. <i>Nucleic Acids Research</i> , 2013 , 41, 9977-86	20.1	21

172	Molecular dynamics of the full-length p53 monomer. <i>Cell Cycle</i> , 2013 , 12, 3098-108	4.7	21
171	The different cleavage DNA sequence specificity explains the camptothecin resistance of the human topoisomerase I Glu418Lys mutant. <i>Nucleic Acids Research</i> , 2006 , 34, 5093-100	20.1	21
170	X-ray absorption investigation of a unique protein domain able to bind both copper(I) and copper(II) at adjacent sites of the N-terminus of Haemophilus ducreyi Cu,Zn superoxide dismutase. <i>Biochemistry</i> , 2005 , 44, 13144-50	3.2	21
169	Formation of a molten-globule-like state of cytochrome c induced by high concentrations of glycerol. <i>Biochimie</i> , 1999 , 81, 745-51	4.6	21
168	Mutation of Lys-120 and Lys-134 drastically reduces the catalytic rate of Cu,Zn superoxide dismutase. <i>FEBS Letters</i> , 1994 , 352, 76-8	3.8	21
167	Human topoisomerase inhibition and DNA/BSA binding of Ru(II)-SCAR complexes as potential anticancer candidates for oral application. <i>BioMetals</i> , 2017 , 30, 321-334	3.4	20
166	Comparative stability studies on the iron and manganese forms of the cambialistic superoxide dismutase from Propionibacterium shermanii. <i>FEBS Letters</i> , 1997 , 414, 122-4	3.8	20
165	The open state of human topoisomerase I as probed by molecular dynamics simulation. <i>Nucleic Acids Research</i> , 2007 , 35, 3032-8	20.1	20
164	Cost-effectiveness analysis of noninvasive strategies to evaluate patients with chest pain. <i>Journal of the American Society of Echocardiography</i> , 2003 , 16, 1287-91	5.8	20
163	Cooperative effect of inositol hexakisphosphate, bezafibrate, and clofibrac acid on the spectroscopic properties of the nitric oxide derivative of ferrous human hemoglobin. <i>Journal of Inorganic Biochemistry</i> , 1993 , 50, 263-72	4.2	20
162	Quercetin pentaacetate inhibits in vitro human respiratory syncytial virus adhesion. <i>Virus Research</i> , 2020 , 276, 197805	6.4	20
161	Simulative and Experimental Characterization of a pH-Dependent Clamp-like DNA Triple-Helix Nanoswitch. <i>Journal of the American Chemical Society</i> , 2017 , 139, 5321-5329	16.4	19
160	High-Density ZnO Nanowires as a Reversible Myogenic-Differentiation Switch. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 14097-14107	9.5	19
159	Flexibility in monomeric Cu,Zn superoxide dismutase detected by limited proteolysis and molecular dynamics simulation. <i>Proteins: Structure, Function and Bioinformatics</i> , 2002 , 47, 513-20	4.2	19
158	pH-induced cleavage of the proximal histidine to iron bond in the nitric oxide derivative of ferrous monomeric hemo proteins and of the dehelated protoheme model compound. <i>BBA - Proteins and Proteomics</i> , 1985 , 829, 299-302		19
157	Hif1 β down-regulation is associated with transposition of great arteries in mice treated with a retinoic acid antagonist. <i>BMC Genomics</i> , 2010 , 11, 497	4.5	18
156	Evidence of his61 imidazolite bridge rupture in reduced crystalline Cu,Zn superoxide dismutase. <i>Biochemical and Biophysical Research Communications</i> , 1997 , 241, 119-21	3.4	18
155	An X-ray absorption study of the reconstitution process of bovine Cu,Zn superoxide dismutase by Cu(I)-glutathione complex. <i>FEBS Letters</i> , 1993 , 322, 165-7	3.8	18

154	Reaction of N,N-diethyldithiocarbamate and other bidentate ligands with Zn, Co and Cu bovine carbonic anhydrases. Inhibition of the enzyme activity and evidence for stable ternary enzyme-metal-ligand complexes. <i>BBA - Proteins and Proteomics</i> , 1983 , 746, 168-75		18
153	Substrate-induced conformational changes of the mitochondrial oxoglutarate carrier: a spectroscopic and molecular modelling study. <i>Molecular Membrane Biology</i> , 2005 , 22, 443-52	3.4	17
152	Single mutation at the intersubunit interface confers extra efficiency to Cu,Zn superoxide dismutase. <i>FEBS Letters</i> , 2000 , 483, 17-20	3.8	17
151	Ru/Fe bimetallic complexes: Synthesis, characterization, cytotoxicity and study of their interactions with DNA/HSA and human topoisomerase IB. <i>Archives of Biochemistry and Biophysics</i> , 2017 , 636, 28-41	4.1	16
150	Importance of V3 loop flexibility and net charge in the context of co-receptor recognition. A molecular dynamics study on HIV gp120. <i>Journal of Biomolecular Structure and Dynamics</i> , 2012 , 29, 879-916	3.6	16
149	The sterile alpha-motif (SAM) domain of p63 binds in vitro monoasialoganglioside (GM1) micelles. <i>Biochemical Pharmacology</i> , 2011 , 82, 1262-8	6	16
148	Membrane-perturbing activity of Viperidae myotoxins: an electrostatic surface potential approach to a puzzling problem. <i>Journal of Molecular Recognition</i> , 2000 , 13, 14-9	2.6	16
147	The heme-containing N-fragment (residues 1-56) of cytochrome c is a bis-histidine functional system. <i>Archives of Biochemistry and Biophysics</i> , 2000 , 379, 331-6	4.1	16
146	Low-temperature optical spectroscopy of native and azide-reacted bovine Cu,Zn superoxide dismutase. A structural dynamics study. <i>Biochemistry</i> , 1994 , 33, 15103-9	3.2	16
145	Electron paramagnetic resonance properties of liver fluke (<i>Dicrocoelium dendriticum</i>) nitrosyl hemoglobin. <i>FEBS Letters</i> , 1984 , 166, 378-80	3.8	16
144	A natural anticancer agent thaspine targets human topoisomerase IB. <i>Anti-Cancer Agents in Medicinal Chemistry</i> , 2013 , 13, 356-63	2.2	16
143	A Simple and Fast Semiautomatic Procedure for the Atomistic Modeling of Complex DNA Polyhedra. <i>Journal of Chemical Information and Modeling</i> , 2016 , 56, 941-9	6.1	16
142	Metal complexes of 3-(4-bromophenyl)-1-pyridin-2-ylprop-2-en-1-one thiosemicarbazone: cytotoxic activity and investigation on the mode of action of the gold(III) complex. <i>BioMetals</i> , 2016 , 29, 515-26	3.4	16
141	NMR structure of the p63 SAM domain and dynamical properties of G534V and T537P pathological mutants, identified in the AEC syndrome. <i>Cell Biochemistry and Biophysics</i> , 2006 , 44, 475-89	3.2	15
140	Static and dynamic water molecules in Cu,Zn superoxide dismutase. <i>Proteins: Structure, Function and Bioinformatics</i> , 2003 , 51, 607-15	4.2	15
139	The mitochondrial oxoglutarate carrier: structural and dynamic properties of transmembrane segment IV studied by site-directed spin labeling. <i>Biochemistry</i> , 2003 , 42, 5493-9	3.2	15
138	Active-site copper and zinc ions modulate the quaternary structure of prokaryotic Cu,Zn superoxide dismutase. <i>Journal of Molecular Biology</i> , 2003 , 326, 1351-60	6.5	15
137	Single mutation induces a metal-dependent subunit association in dimeric Cu,Zn superoxide dismutase. <i>Biochemical and Biophysical Research Communications</i> , 2000 , 272, 81-3	3.4	15

136	Topoisomerase 1B as a target against leishmaniasis. <i>Mini-Reviews in Medicinal Chemistry</i> , 2015 , 15, 203-10.2	10.2	15
135	Efficacy of a Binuclear Cyclopalladated Compound Therapy for Cutaneous Leishmaniasis in the Murine Model of Infection with <i>Leishmania amazonensis</i> and Its Inhibitory Effect on Topoisomerase 1B. <i>Antimicrobial Agents and Chemotherapy</i> , 2017 , 61,	5.9	14
134	Structural dynamics of V3 loop with different electrostatics: implications on co-receptor recognition: a molecular dynamics study of HIV gp120. <i>Journal of Biomolecular Structure and Dynamics</i> , 2013 , 31, 403-13	3.6	14
133	Binding of an Indenoisoquinoline to the topoisomerase-DNA complex induces reduction of linker mobility and strengthening of protein-DNA interaction. <i>PLoS ONE</i> , 2012 , 7, e51354	3.7	14
132	Simulative and experimental investigation on the cleavage site that generates the soluble human LOX-1. <i>Archives of Biochemistry and Biophysics</i> , 2013 , 540, 9-18	4.1	14
131	Structural-dynamical investigation of the ZnuA histidine-rich loop: involvement in zinc management and transport. <i>Journal of Computer-Aided Molecular Design</i> , 2011 , 25, 181-94	4.2	14
130	Simulative Analysis of a Truncated Octahedral DNA Nanocage Family Indicates the Single-Stranded Thymidine Linkers as the Major Player for the Conformational Variability. <i>Journal of Physical Chemistry C</i> , 2011 , 115, 16819-16827	3.8	14
129	Toward the engineering of a super efficient enzyme. <i>Biochemical and Biophysical Research Communications</i> , 1999 , 256, 425-8	3.4	14
128	Formate as an NMR probe of anion binding to Cu,Zn and Cu,Co bovine erythrocyte superoxide dismutases. <i>Biochemistry</i> , 1992 , 31, 12410-5	3.2	14
127	Non-mutagenic Ru(II) complexes: cytotoxicity, topoisomerase IB inhibition, DNA and HSA binding. <i>Dalton Transactions</i> , 2019 , 48, 14885-14897	4.3	13
126	The human topoisomerase 1B Arg634Ala mutation results in camptothecin resistance and loss of inter-domain motion correlation. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2013 , 1834, 2712-21	4	13
125	Sticholysin II: a pore-forming toxin as a probe to recognize sphingomyelin in artificial and cellular membranes. <i>Toxicon</i> , 2012 , 60, 724-33	2.8	13
124	A derivative of the natural compound kakuol affects DNA relaxation of topoisomerase IB inhibiting the cleavage reaction. <i>Archives of Biochemistry and Biophysics</i> , 2013 , 530, 7-12	4.1	13
123	Characterization of a novel CYP2C9 gene mutation and structural bioinformatic protein analysis in a warfarin hypersensitive patient. <i>Pharmacogenetics and Genomics</i> , 2011 , 21, 344-6	1.9	13
122	A model for the incorporation of metal from the copper chaperone CCS into Cu,Zn superoxide dismutase. <i>Structure</i> , 1999 , 7, 903-8	5.2	13
121	Is the activity-linked electrostatic gradient of bovine Cu, Zn superoxide dismutases conserved in homologous enzymes irrespective of the number and distribution of charges?. <i>Free Radical Biology and Medicine</i> , 1988 , 5, 313-7	7.8	13
120	Influence of the single-strand linker composition on the structural/dynamical properties of a truncated octahedral DNA nano-cage family. <i>Biopolymers</i> , 2014 , 101, 992-9	2.2	12
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