

Alessandra Corazza

List of Publications by Year in Descending Order

Source: <https://exaly.com/author-pdf/8269039/alessandra-corazza-publications-by-year.pdf>

Version: 2024-04-10

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

85 papers	2,117 citations	25 h-index	43 g-index
86 ext. papers	2,349 ext. citations	4.6 avg, IF	4.1 L-index

#	Paper	IF	Citations
85	Amyloid Formation by Globular Proteins: The Need to Narrow the Gap Between and Mechanisms.. <i>Frontiers in Molecular Biosciences</i> , 2022 , 9, 830006	5.6	2
84	Insights on peptide topology in the computational design of protein ligands: the example of lysozyme binding peptides. <i>Physical Chemistry Chemical Physics</i> , 2021 , 23, 23158-23172	3.6	0
83	Clinical ApoA-IV amyloid is associated with fibrillogenic signal sequence. <i>Journal of Pathology</i> , 2021 , 255, 311-318	9.4	1
82	Comparative study of the stabilities of synthetic and natural transthyretin amyloid fibrils. <i>Journal of Biological Chemistry</i> , 2020 , 295, 11379-11387	5.4	8
81	Binding of Monovalent and Bivalent Ligands by Transthyretin Causes Different Short- and Long-Distance Conformational Changes. <i>Journal of Medicinal Chemistry</i> , 2019 , 62, 8274-8283	8.3	17
80	Citrate stabilized gold nanoparticles interfere with amyloid fibril formation: D76N and N6 β -microglobulin variants. <i>Nanoscale</i> , 2018 , 10, 4793-4806	7.7	25
79	Interference of citrate-stabilized gold nanoparticles with β -microglobulin oligomeric association. <i>Chemical Communications</i> , 2018 , 54, 5422-5425	5.8	11
78	H, C and N backbone resonance assignments of the β -lactamase BlaP from <i>Bacillus licheniformis</i> 749/C and two mutational variants. <i>Biomolecular NMR Assignments</i> , 2018 , 12, 69-77	0.7	
77	Free Energy, Enthalpy and Entropy from Implicit Solvent End-Point Simulations. <i>Frontiers in Molecular Biosciences</i> , 2018 , 5, 11	5.6	18
76	Plasminogen activation triggers transthyretin amyloidogenesis. <i>Journal of Biological Chemistry</i> , 2018 , 293, 14192-14199	5.4	42
75	PDB2ENTROPY and PDB2TRENT: Conformational and Translational-Rotational Entropy from Molecular Ensembles. <i>Journal of Chemical Information and Modeling</i> , 2018 , 58, 1319-1324	6.1	12
74	Dynamics and Thermodynamics of Transthyretin Association from Molecular Dynamics Simulations. <i>BioMed Research International</i> , 2018 , 2018, 7480749	3	5
73	Computational design of cyclic peptides for the customized oriented immobilization of globular proteins. <i>Physical Chemistry Chemical Physics</i> , 2017 , 19, 2740-2748	3.6	12
72	Citrate-stabilized gold nanoparticles hinder fibrillogenesis of a pathological variant of β -microglobulin. <i>Nanoscale</i> , 2017 , 9, 3941-3951	7.7	22
71	Automation of peak-tracking analysis of stepwise perturbed NMR spectra. <i>Journal of Biomolecular NMR</i> , 2017 , 67, 121-134	3	3
70	A specific nanobody prevents amyloidogenesis of D76N β -microglobulin in vitro and modifies its tissue distribution in vivo. <i>Scientific Reports</i> , 2017 , 7, 46711	4.9	12
69	Inhibition of the mechano-enzymatic amyloidogenesis of transthyretin: role of ligand affinity, binding cooperativity and occupancy of the inner channel. <i>Scientific Reports</i> , 2017 , 7, 182	4.9	25

68	Molecular dynamics simulations of α -microglobulin interaction with hydrophobic surfaces. <i>Molecular BioSystems</i> , 2017 , 13, 2625-2637		4
67	Short-Chain Alkanethiol Coating for Small-Size Gold Nanoparticles Supporting Protein Stability. <i>Magnetochemistry</i> , 2017 , 3, 40	3.1	3
66	Accurate Estimation of the Entropy of Rotation-Translation Probability Distributions. <i>Journal of Chemical Theory and Computation</i> , 2016 , 12, 1-8	6.4	14
65	Rational design of mutations that change the aggregation rate of a protein while maintaining its native structure and stability. <i>Scientific Reports</i> , 2016 , 6, 25559	4.9	41
64	Accuracy assessment of the linear Poisson-Boltzmann equation and reparametrization of the OBC generalized Born model for nucleic acids and nucleic acid-protein complexes. <i>Journal of Computational Chemistry</i> , 2015 , 36, 585-96	3.5	5
63	Probing the influence of citrate-capped gold nanoparticles on an amyloidogenic protein. <i>ACS Nano</i> , 2015 , 9, 2600-13	16.7	68
62	Distance-Based Configurational Entropy of Proteins from Molecular Dynamics Simulations. <i>PLoS ONE</i> , 2015 , 10, e0132356	3.7	24
61	The Accuracy of Generalized Born Forces 2015 , 143-155		
60	Oligomeric states along the folding pathways of α -microglobulin: kinetics, thermodynamics, and structure. <i>Journal of Molecular Biology</i> , 2013 , 425, 2722-36	6.5	27
59	Structure, folding dynamics, and amyloidogenesis of D76N α -microglobulin: roles of shear flow, hydrophobic surfaces, and B-crystallin. <i>Journal of Biological Chemistry</i> , 2013 , 288, 30917-30	5.4	63
58	Carnosine inhibits A β (42) aggregation by perturbing the H-bond network in and around the central hydrophobic cluster. <i>ChemBioChem</i> , 2013 , 14, 583-92	3.8	61
57	A differential equation for the Generalized Born radii. <i>Physical Chemistry Chemical Physics</i> , 2013 , 15, 9783-91	3.9	1
56	Generalized Born forces: surface integral formulation. <i>Journal of Chemical Physics</i> , 2013 , 138, 054112	3.9	4
55	Reduction of conformational mobility and aggregation in W60G α -microglobulin: assessment by 15N NMR relaxation. <i>Magnetic Resonance in Chemistry</i> , 2013 , 51, 795-807	2.1	9
54	Monitoring the interaction between α -microglobulin and the molecular chaperone B-crystallin by NMR and mass spectrometry: B-crystallin dissociates α -microglobulin oligomers. <i>Journal of Biological Chemistry</i> , 2013 , 288, 17844-58	5.4	29
53	Protein Aggregation Measurement through Electrical Impedance Spectroscopy. <i>Journal of Physics: Conference Series</i> , 2013 , 459, 012049	0.3	2
52	Absolute Quantification of Choline-Related Biomarkers in Breast Cancer Biopsies by Liquid Chromatography Electrospray Ionization Mass Spectrometry. <i>Analytical Cellular Pathology</i> , 2013 , 36, 71-83	3.4	16
51	Absolute quantification of choline-related biomarkers in breast cancer biopsies by liquid chromatography electrospray ionization mass spectrometry. <i>Analytical Cellular Pathology</i> , 2013 , 36, 71-83	3.4	12

50	Determining the energy landscape of proteins by a fast isotope exchange NMR approach. <i>Journal of the American Chemical Society</i> , 2012 , 134, 4457-60	16.4	9
49	Blues server: electrostatic properties of wild-type and mutated protein structures. <i>Bioinformatics</i> , 2012 , 28, 2189-90	7.2	54
48	Single-shot NMR measurement of protein unfolding landscapes. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2012 , 1824, 842-9	4	7
47	Blues: a program for the analysis of the electrostatic properties of proteins based on generalized Born radii. <i>BMC Bioinformatics</i> , 2012 , 13 Suppl 4, S18	3.6	43
46	Pathological self-aggregation of β 2-microglobulin: a challenge for protein biophysics. <i>Sub-Cellular Biochemistry</i> , 2012 , 65, 165-83	5.5	6
45	Fast structure similarity searches among protein models: efficient clustering of protein fragments. <i>Algorithms for Molecular Biology</i> , 2012 , 7, 16	1.8	4
44	Rapid oligomer formation of human muscle acylphosphatase induced by heparan sulfate. <i>Nature Structural and Molecular Biology</i> , 2012 , 19, 547-54, S1-2	17.6	25
43	Studying interactions by molecular dynamics simulations at high concentration. <i>Journal of Biomedicine and Biotechnology</i> , 2012 , 2012, 303190		12
42	Molecular dynamics simulation of β microglobulin in denaturing and stabilizing conditions. <i>Proteins: Structure, Function and Bioinformatics</i> , 2011 , 79, 986-1001	4.2	29
41	Effect of tetracyclines on the dynamics of formation and destructure of β 2-microglobulin amyloid fibrils. <i>Journal of Biological Chemistry</i> , 2011 , 286, 2121-31	5.4	77
40	High-performance metabolic marker assessment in breast cancer tissue by mass spectrometry. <i>Clinical Chemistry and Laboratory Medicine</i> , 2011 , 49, 317-24	5.9	8
39	Structural and dynamics characteristics of acylphosphatase from <i>Sulfolobus solfataricus</i> in the monomeric state and in the initial native-like aggregates. <i>Journal of Biological Chemistry</i> , 2010 , 285, 14689-700 ²⁰	5.4	70
38	Native-unlike long-lived intermediates along the folding pathway of the amyloidogenic protein β 2-microglobulin revealed by real-time two-dimensional NMR. <i>Journal of Biological Chemistry</i> , 2010 , 285, 5827-35	5.4	53
37	Folding and fibrillogenesis: clues from β 2-microglobulin. <i>Journal of Molecular Biology</i> , 2010 , 401, 286-93	4.7	33
36	Molecular models for intrastrand DNA G-quadruplexes. <i>BMC Structural Biology</i> , 2009 , 9, 64	2.7	14
35	Conformational stability of neuroglobin helix F--possible effects on the folding pathway within the globin family. <i>FEBS Journal</i> , 2009 , 276, 5177-90	5.7	8
34	Equilibrium unfolding thermodynamics of β 2-microglobulin analyzed through native-state H/D exchange. <i>Biophysical Journal</i> , 2009 , 96, 169-79	2.9	18
33	NMR-based homology model for the solution structure of the C-terminal globular domain of EMILIN1. <i>Journal of Biomolecular NMR</i> , 2009 , 43, 79-96	3	7

32	The controlling roles of Trp60 and Trp95 in beta2-microglobulin function, folding and amyloid aggregation properties. <i>Journal of Molecular Biology</i> , 2008 , 378, 887-97	6.5	76
31	The solution structure of DNA-free Pax-8 paired box domain accounts for redox regulation of transcriptional activity in the pax protein family. <i>Journal of Biological Chemistry</i> , 2008 , 283, 33321-8	5.4	18
30	The solution structure of EMILIN1 globular C1q domain reveals a disordered insertion necessary for interaction with the alpha4beta1 integrin. <i>Journal of Biological Chemistry</i> , 2008 , 283, 18947-56	5.4	25
29	Helix mobility and recognition function of the rat thyroid transcription factor 1 homeodomain - hints from 15N-NMR relaxation studies. <i>FEBS Journal</i> , 2008 , 275, 435-48	5.7	7
28	Molecular dynamics simulation suggests possible interaction patterns at early steps of beta2-microglobulin aggregation. <i>Biophysical Journal</i> , 2007 , 92, 1673-81	2.9	38
27	Scoring predictive models using a reduced representation of proteins: model and energy definition. <i>BMC Structural Biology</i> , 2007 , 7, 15	2.7	20
26	Estimation of 3JHN-Halpha and 3JHalpha-Hbeta coupling constants from heteronuclear TOCSY spectra. <i>Journal of Biomolecular NMR</i> , 2007 , 39, 213-22	3	2
25	Collagen plays an active role in the aggregation of beta2-microglobulin under physiopathological conditions of dialysis-related amyloidosis. <i>Journal of Biological Chemistry</i> , 2006 , 281, 16521-9	5.4	122
24	Variants of beta-microglobulin cleaved at lysine-58 retain the main conformational features of the native protein but are more conformationally heterogeneous and unstable at physiological temperature. <i>FEBS Journal</i> , 2006 , 273, 2461-74	5.7	19
23	NMR solution structure of the acylphosphatase from Escherichia coli. <i>Journal of Biomolecular NMR</i> , 2006 , 36, 199-204	3	13
22	Structure, conformational stability, and enzymatic properties of acylphosphatase from the hyperthermophile Sulfolobus solfataricus. <i>Proteins: Structure, Function and Bioinformatics</i> , 2006 , 62, 64-79 ²	4.2	37
21	Beta2-microglobulin isoforms display an heterogeneous affinity for type I collagen. <i>Protein Science</i> , 2005 , 14, 696-702	6.3	49
20	Solution structure of beta(2)-microglobulin and insights into fibrillogenesis. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2005 , 1753, 76-84	4	22
19	Properties of some variants of human beta2-microglobulin and amyloidogenesis. <i>Journal of Biological Chemistry</i> , 2004 , 279, 9176-89	5.4	59
18	Sequence-specific backbone NMR assignments for the C-terminal globular domain of EMILIN-1. <i>Journal of Biomolecular NMR</i> , 2004 , 29, 91-2	3	4
17	Interaction of copper with cysteine: stability of cuprous complexes and catalytic role of cupric ions in anaerobic thiol oxidation. <i>Journal of Inorganic Biochemistry</i> , 2004 , 98, 1495-501	4.2	148
16	beta2-microglobulin H31Y variant 3D structure highlights the protein natural propensity towards intermolecular aggregation. <i>Journal of Molecular Biology</i> , 2004 , 335, 1051-64	6.5	35
15	Structural and folding dynamic properties of the T70N variant of human lysozyme. <i>Journal of Biological Chemistry</i> , 2003 , 278, 25910-8	5.4	19

14	Electrostatic compared with hydrophobic interactions between bovine serum amine oxidase and its substrates. <i>Biochemical Journal</i> , 2003 , 371, 549-56	3.8	25
13	Biphasic behavior of the kinetics of 31P-containing metabolites in ischemic porcine kidneys. <i>Transplantation Proceedings</i> , 2003 , 35, 3111-5	1.1	3
12	The solution structure of human beta2-microglobulin reveals the prodromes of its amyloid transition. <i>Protein Science</i> , 2002 , 11, 487-99	6.3	132
11	Binding of cations of group IA and IIA to bovine serum amine oxidase: effect on the activity. <i>Biophysical Journal</i> , 2002 , 83, 2231-9	2.9	10
10	Deuterium nuclear magnetic resonance for evaluating the metabolic status of livers subjected to warm ischemia. <i>Transplantation</i> , 2001 , 71, 1515-7	1.8	3
9	Improved method for pulse width calibration in indirectly detected experiments. <i>Magnetic Resonance in Chemistry</i> , 2001 , 39, 249-250	2.1	3
8	Enzyme mimics complexing Cu(II) ion: structure-function relationships. <i>Chemical Biology and Drug Design</i> , 1999 , 54, 491-504		7
7	Assessment of pretransplantation warm ischemia time by phosphorus-31 magnetic resonance spectroscopy in pig kidneys. <i>Transplantation Proceedings</i> , 1997 , 29, 3415-6	1.1	5
6	Platination of a GG site on single-stranded and double-stranded forms of a 14-base oligonucleotide with diaqua cisplatin followed by NMR and HPLC -- influence of the platinum ligands and base sequence on 5VG versus 3VG platination selectivity. <i>FEBS Journal</i> , 1997 , 249, 370-82		55
5	Structural transitions of a GG-platinated DNA duplex induced by pH, temperature and box A of high-mobility-group protein 1. <i>FEBS Journal</i> , 1997 , 243, 782-91		14
4	¹ H, ¹³ C-NMR and X-ray absorption studies of copper(I) glutathione complexes. <i>FEBS Journal</i> , 1996 , 236, 697-705		104
3	Effect of polyphosphates on the activity of amine oxidases. <i>BBA - Proteins and Proteomics</i> , 1995 , 1247, 246-52		5
2	Interactions between polyamines and nucleotides studied by ³¹ P and ¹ H NMR. <i>Applied Magnetic Resonance</i> , 1994 , 7, 89-94	0.8	1
1	Effect of phosphate ion on the activity of bovine plasma amine oxidase. <i>Biochemical and Biophysical Research Communications</i> , 1992 , 189, 722-7	3.4	11