

Hugo L Monaco

List of Publications by Year in descending order

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79
papers

3,286
citations

172457

29
h-index

149698

56
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81
all docs

81
docs citations

81
times ranked

3065
citing authors

#	ARTICLE	IF	CITATIONS
1	Structure of a complex of two plasma proteins: transthyretin and retinol-binding protein. <i>Science</i> , 1995, 268, 1039-1041.	12.6	387
2	Crystal structure of the trigonal form of bovine beta-lactoglobulin and of its complex with retinol at 2.5 Å... resolution. <i>Journal of Molecular Biology</i> , 1987, 197, 695-706.	4.2	348
3	Crystal and molecular structures of native and CTP-liganded aspartate carbamoyltransferase from <i>Escherichia coli</i> . <i>Journal of Molecular Biology</i> , 1982, 160, 219-263.	4.2	238
4	The three-dimensional structure of bovine odorant binding protein and its mechanism of odor recognition. <i>Nature Structural Biology</i> , 1996, 3, 934-939.	9.7	185
5	Three-dimensional structures of aspartate carbamoyltransferase from <i>Escherichia coli</i> and of its complex with cytidine triphosphate.. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1978, 75, 5276-5280.	7.1	151
6	The transthyretin-retinol-binding protein complex. <i>BBA - Proteins and Proteomics</i> , 2000, 1482, 65-72.	2.1	142
7	Crystal structure of chicken riboflavin-binding protein. <i>EMBO Journal</i> , 1997, 16, 1475-1483.	7.8	127
8	Partially folded structure of monomeric bovine β^2 -lactoglobulin. <i>FEBS Letters</i> , 1996, 381, 237-243.	2.8	103
9	The Antineoplastic Lectin of the Common Edible Mushroom (<i>Agaricus bisporus</i>) Has Two Binding Sites, Each Specific for a Different Configuration at a Single Epimeric Hydroxyl. <i>Journal of Biological Chemistry</i> , 2005, 280, 10614-10623.	3.4	83
10	Crystal Structure of the Trigonal Form of Human Plasma Retinol-binding Protein at 2.5 Å... Resolution. <i>Journal of Molecular Biology</i> , 1993, 230, 613-624.	4.2	82
11	Identification of a conserved hydrophobic cluster in partially folded bovine β^2 -lactoglobulin at pH 2. <i>Folding & Design</i> , 1997, 2, 281-290.	4.5	77
12	Structure of a lectin with antitumoral properties in king bolete (<i>Boletus edulis</i>) mushrooms. <i>Glycobiology</i> , 2011, 21, 1000-1009.	2.5	65
13	Complete Mapping of Divergent Amino Acids Responsible for Differential Ligand Binding of Folate Receptors β^1 and β^2 . <i>Journal of Biological Chemistry</i> , 1999, 274, 11086-11091.	3.4	62
14	Crystal Structure of Chicken Liver Basic Fatty Acid-Binding Protein Complexed with Cholic Acid. <i>Biochemistry</i> , 2004, 43, 14072-14079.	2.5	57
15	The chaperone-like protein 14-3-3 β interacts with human β -synuclein aggregation intermediates rerouting the amyloidogenic pathway and reducing β -synuclein cellular toxicity. <i>Human Molecular Genetics</i> , 2014, 23, 5615-5629.	2.9	56
16	BEL β -trefoil: A novel lectin with antineoplastic properties in king bolete (<i>Boletus edulis</i>) mushrooms. <i>Glycobiology</i> , 2013, 23, 578-592.	2.5	50
17	Three-dimensional structure and active site of three hydrophobic molecule-binding proteins with significant amino acid sequence similarity. <i>Biopolymers</i> , 1992, 32, 457-465.	2.4	49
18	Structural and biochemical characterization of a new type of lectin isolated from carp eggs. <i>Biochemical Journal</i> , 2003, 376, 433-440.	3.7	40

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19	Chicken liver basic fatty acid-binding protein (pI= 9.0) Purification, crystallization and preliminary X-ray data. <i>FEBS Letters</i> , 1988, 240, 196-200.	2.8	38
20	Egg yolk riboflavin binding protein as a new chiral stationary phase in high-performance liquid chromatography. <i>Journal of Chromatography A</i> , 1995, 704, 55-65.	3.7	38
21	The bovine plasma retinol-binding protein. Amino acid sequence, interaction with transthyretin, crystallization and preliminary X-ray data. <i>FEBS Journal</i> , 1990, 192, 507-513.	0.2	35
22	Structural and Biochemical Characterization of Toad Liver Fatty Acid-Binding Protein., <i>Biochemistry</i> , 2003, 42, 8192-8203.	2.5	35
23	Structure and Properties of the C-terminal Domain of Insulin-like Growth Factor-binding Protein-1 Isolated from Human Amniotic Fluid. <i>Journal of Biological Chemistry</i> , 2005, 280, 29812-29819.	3.4	35
24	Human plasma retinol-binding protein (RBP4) is also a fatty acid-binding protein. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2018, 1863, 458-466.	2.4	35
25	The X-Ray Structure of Zebrafish (<i>Danio rerio</i>) Ileal Bile Acid-Binding Protein Reveals the Presence of Binding Sites on the Surface of the Protein Molecule. <i>Journal of Molecular Biology</i> , 2009, 385, 99-116.	4.2	33
26	Purification of human plasma retinol-binding protein by hydrophobic interaction chromatography. <i>Analytical Biochemistry</i> , 1985, 150, 273-277.	2.4	31
27	Evaluation of quail egg white riboflavin binding protein as a chiral selector in high-performance liquid chromatography and capillary electrophoresis. <i>Journal of Chromatography A</i> , 1997, 790, 47-64.	3.7	30
28	Ceramide modulates the lipid membrane organization at molecular and supramolecular levels. <i>Chemistry and Physics of Lipids</i> , 2003, 122, 147-152.	3.2	30
29	The primary structure of a basic (pI 9.0) fatty acid-binding protein from liver of <i>Gallus domesticus</i> . <i>Comparative Biochemistry and Physiology Part B: Comparative Biochemistry</i> , 1994, 109, 261-271.	0.2	29
30	Interactions of chicken liver basic fatty acid-binding protein with lipid membranes. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2003, 1611, 98-106.	2.6	29
31	Structural changes in the BH3 domain of SOUL protein upon interaction with the anti-apoptotic protein Bcl-xL. <i>Biochemical Journal</i> , 2011, 438, 291-301.	3.7	26
32	MBNL142 and MBNL143 gene isoforms, overexpressed in DM1-patient muscle, encode for nuclear proteins interacting with Src family kinases. <i>Cell Death and Disease</i> , 2013, 4, e770-e770.	6.3	26
33	Three-Dimensional Structure of the Transthyretin-Retinol-Binding Protein Complex. <i>Clinical Chemistry and Laboratory Medicine</i> , 2002, 40, 1229-36.	2.3	25
34	pH and Ionic Strength Dependence of Protein (Un)Folding and Ligand Binding to Bovine β -Lactoglobulins A and B. <i>Biochemistry</i> , 2002, 41, 15415-15422.	2.5	25
35	Novel functionalization strategies of polymeric nanoparticles as carriers for brain medications. <i>Journal of Biomedical Materials Research - Part A</i> , 2017, 105, 847-858.	4.0	24
36	Structural basis for ligand recognition in a mushroom lectin: solvent structure as specificity predictor. <i>Carbohydrate Research</i> , 2011, 346, 939-948.	2.3	23

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37	Binding and interactions of L-BABP to lipid membranes studied by molecular dynamic simulations. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2008, 1778, 1390-1397.	2.6	22
38	A Single Amino Acid Mutation in Zebrafish (<i>Danio rerio</i>) Liver Bile Acid-binding Protein Can Change the Stoichiometry of Ligand Binding. <i>Journal of Biological Chemistry</i> , 2007, 282, 31008-31018.	3.4	21
39	A 3.0-Å resolution study of nucleotide complexes with aspartate carbamoyltransferase.. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1979, 76, 5105-5109.	7.1	20
40	The carbohydrates of the isoforms of three avian riboflavin-binding proteins. <i>FEBS Journal</i> , 1999, 263, 849-858.	0.2	19
41	Crystallization of the Macromolecular Complex Transthyretin-Retinol-binding Protein. <i>Journal of Molecular Biology</i> , 1994, 244, 110-113.	4.2	18
42	Identification of the amniotic fluid insulin-like growth factor binding protein-1 phosphorylation sites and propensity to proteolysis of the isoforms. <i>FEBS Journal</i> , 2009, 276, 6033-6046.	4.7	18
43	Interaction of Chicken Liver Basic Fatty Acid-Binding Protein with Fatty Acids: A 13C NMR and Fluorescence Study. <i>Biochemistry</i> , 2001, 40, 12604-12611.	2.5	17
44	Structure of the inhibitor of aspartate transcarbamylase, N-(phosphonacetyl)-L-aspartate. <i>Journal of the American Chemical Society</i> , 1984, 106, 7900-7904.	13.7	16
45	Crystallization of hen eggwhite riboflavin-binding protein. <i>Journal of Molecular Biology</i> , 1984, 180, 1185-1187.	4.2	15
46	Solution structure of chicken liver basic fatty acid binding protein. <i>Journal of Biomolecular NMR</i> , 2003, 25, 157-160.	2.8	15
47	The C-terminal transmembrane domain of human phospholipid scramblase 1 is essential for the protein flip-flop activity and Ca ²⁺ -binding. <i>Journal of Membrane Biology</i> , 2014, 247, 155-165.	2.1	15
48	Complex of Aspartate Carbamoyltransferase from <i>Escherichia coli</i> with Its Allosteric Inhibitor, Cytidine Triphosphate: Electron Density at 5.9-Å Resolution. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1974, 71, 4437-4441.	7.1	13
49	Probing protein aggregation by time-resolved fluorescence during β^2 -lactoglobulin crystal growth. <i>European Biophysics Journal</i> , 2002, 31, 111-117.	2.2	13
50	Crystal structure of axolotl (<i>Ambystoma mexicanum</i>) liver bile acid-binding protein bound to cholic and oleic acid. <i>Proteins: Structure, Function and Bioinformatics</i> , 2006, 64, 79-88.	2.6	13
51	Crystal structure of human cellular retinol-binding protein II to 1.2 Å... resolution. <i>Proteins: Structure, Function and Bioinformatics</i> , 2008, 70, 1626-1630.	2.6	13
52	Review: The liver bile acid-binding proteins. <i>Biopolymers</i> , 2009, 91, 1196-1202.	2.4	13
53	Conformational changes of chicken liver bile acid-binding protein bound to anionic lipid membrane are coupled to the lipid phase transitions. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2007, 1768, 1583-1591.	2.6	12
54	Crystallization and preliminary X-ray data of human plasma retinol-binding protein. <i>Journal of Molecular Biology</i> , 1983, 163, 679-681.	4.2	11

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55	Crystal structure of the anticarcinogenic Bowmanâ€™s Birk inhibitor from snail medic (<i>Medicago</i>) Tj ETQq1 1 0.784314 rgBT /Overlock	2.8	11
56	Three-dimensional structure and ligand-binding site of carp fiselectin (FEL). <i>Acta Crystallographica Section D: Biological Crystallography</i> , 2015, 71, 1123-1135.	2.5	11
57	Structure and properties of the oyster mushroom (<i>Pleurotus ostreatus</i>) lectin. <i>Glycobiology</i> , 2020, 30, 550-562.	2.5	11
58	Influence of the Lipid Phase State and Electrostatic Surface Potential on the Conformations of a Peripherally Bound Membrane Protein. <i>Journal of Physical Chemistry B</i> , 2010, 114, 15141-15150.	2.6	10
59	The crystal structure of sterol carrier protein 2 from <i>Yarrowia lipolytica</i> and the evolutionary conservation of a large, non-specific lipid-binding cavity. <i>Journal of Structural and Functional Genomics</i> , 2013, 14, 145-153.	1.2	10
60	High resolution crystal structure data of human plasma retinol-binding protein (RBP4) bound to retinol and fatty acids. <i>Data in Brief</i> , 2018, 18, 1073-1081.	1.0	10
61	Crystallization of human plasma apo-retinol-binding protein. <i>Journal of Molecular Biology</i> , 1984, 178, 477-479.	4.2	9
62	Crystallization of chicken liver (basic) fatty acid binding protein after purification in multicompartement electrolyzers with isoelectric membranes. <i>Electrophoresis</i> , 2000, 21, 2316-2320.	2.4	8
63	Kinetics of lipid-membrane binding and conformational change of L-BABP. <i>Biochemical and Biophysical Research Communications</i> , 2009, 382, 771-775.	2.1	8
64	The inclusion into PLGA nanoparticles enables Î±-bisabolol to efficiently inhibit the human dendritic cell pro-inflammatory activity. <i>Journal of Nanoparticle Research</i> , 2014, 16, 1.	1.9	8
65	Crystal structure of a truncated form of porcine odorant-binding protein. <i>Proteins: Structure, Function and Bioinformatics</i> , 2001, 42, 201-209.	2.6	7
66	Chicken Liver Bile Acid-Binding Protein Is in a Compact Partly Folded State at Acidic pH. Its Relevance to the Interaction with Lipid Membranes. <i>Biochemistry</i> , 2005, 44, 8486-8493.	2.5	6
67	X-ray evidence of a native state with increased compactness populated by tryptophanâ€™less <i>B. licheniformis</i> Î²-lactamase. <i>Protein Science</i> , 2012, 21, 964-976.	7.6	6
68	Membrane binding of human phospholipid scramblase 1 cytoplasmic domain. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2014, 1838, 1785-1792.	2.6	6
69	The long variant of human ileal bile acid-binding protein associated with colorectal cancer exhibits sub-cellular localization and lipid binding behaviour distinct from those of the common isoform. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2017, 1861, 2315-2324.	2.4	6
70	The Transthyretinâ€™Retinol-Binding Protein Complex. , 2009, , 123-142.		6
71	Crystallization and preliminary X-ray study of the common edible mushroom (<i>Agaricus bisporus</i>) lectin. <i>Acta Crystallographica Section D: Biological Crystallography</i> , 2004, 60, 718-720.	2.5	5
72	High-resolution structures of mutants of residues that affect access to the ligand-binding cavity of human lipocalin-type prostaglandin D synthase. <i>Acta Crystallographica Section D: Biological Crystallography</i> , 2014, 70, 2125-2138.	2.5	5

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73	Crystallization and preliminary X-ray study of two liver basic fatty acid-binding proteins. Acta Crystallographica Section D: Biological Crystallography, 2001, 57, 1903-1905.	2.5	4
74	All-Purpose Containers? Lipid-Binding Protein â€™ Drug Interactions. PLoS ONE, 2015, 10, e0132096.	2.5	4
75	Structure and properties of the giant reed (<i>Arundo donax</i>) lectin (ADL). Glycobiology, 2021, 31, 1543-1556.	2.5	1
76	Crystal structure of chicken liver basic fatty acid-binding protein at 2.7 Å.. resolution. , 1990, , 95-99.		1
77	Vibrational and structural investigation of SOUL protein single crystals by using micro-Raman spectroscopy. Journal of Molecular Structure, 2010, 972, 87-91.	3.6	0
78	Raman Scattering Study of Ligand-Binding Interactions in SOUL Protein Single Crystals. , 2010, , .		0
79	Crystallographic Studies on Retinol-Binding Protein and Beta Lactoglobulin. , 1987, , 69-79.		0