

Hugo L Monaco

List of Publications by Year in descending order

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79
papers

3,286
citations

196777

29
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169272

56
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81
all docs

81
docs citations

81
times ranked

3377
citing authors

#	ARTICLE	IF	CITATIONS
1	Structure and properties of the giant reed (<i>Arundo donax</i>) lectin (ADL). <i>Glycobiology</i> , 2021, 31, 1543-1556.	1.3	1
2	Structure and properties of the oyster mushroom (<i>Pleurotus ostreatus</i>) lectin. <i>Glycobiology</i> , 2020, 30, 550-562.	1.3	11
3	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.	1.2	35
4	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.	0.5	10
5	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.	1.1	6
6	Novel functionalization strategies of polymeric nanoparticles as carriers for brain medications. <i>Journal of Biomedical Materials Research - Part A</i> , 2017, 105, 847-858.	2.1	24
7	Three-dimensional structure and ligand-binding site of carp fishellectin (FEL). <i>Acta Crystallographica Section D: Biological Crystallography</i> , 2015, 71, 1123-1135.	2.5	11
8	All-Purpose Containers? Lipid-Binding Protein α Drug Interactions. <i>PLoS ONE</i> , 2015, 10, e0132096.	1.1	4
9	The inclusion into PLGA nanoparticles enables β -bisabolol to efficiently inhibit the human dendritic cell pro-inflammatory activity. <i>Journal of Nanoparticle Research</i> , 2014, 16, 1.	0.8	8
10	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
11	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.	1.0	15
12	Membrane binding of human phospholipid scramblase 1 cytoplasmic domain. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2014, 1838, 1785-1792.	1.4	6
13	The chaperone-like protein 14-3-3 σ 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.	1.4	56
14	BEL β -trefoil: A novel lectin with antineoplastic properties in king bolete (<i>Boletus edulis</i>) mushrooms. <i>Glycobiology</i> , 2013, 23, 578-592.	1.3	50
15	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
16	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.	2.7	26
17	X-ray evidence of a native state with increased compactness populated by tryptophan α -B. <i>licheniformis</i> β -lactamase. <i>Protein Science</i> , 2012, 21, 964-976.	3.1	6
18	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.	1.7	26

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19	Structure of a lectin with antitumoral properties in king bolete (<i>Boletus edulis</i>) mushrooms. <i>Glycobiology</i> , 2011, 21, 1000-1009.	1.3	65
20	Structural basis for ligand recognition in a mushroom lectin: solvent structure as specificity predictor. <i>Carbohydrate Research</i> , 2011, 346, 939-948.	1.1	23
21	Vibrational and structural investigation of SOUL protein single crystals by using micro-Raman spectroscopy. <i>Journal of Molecular Structure</i> , 2010, 972, 87-91.	1.8	0
22	Raman Scattering Study of Ligand-Binding Interactions in SOUL Protein Single Crystals. , 2010, , .		0
23	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.	1.2	10
24	Review: The liver bile acid-binding proteins. <i>Biopolymers</i> , 2009, 91, 1196-1202.	1.2	13
25	Identification of the amniotic fluid insulin-like growth factor binding protein's phosphorylation sites and propensity to proteolysis of the isoforms. <i>FEBS Journal</i> , 2009, 276, 6033-6046.	2.2	18
26	Kinetics of lipid-membrane binding and conformational change of L-BABP. <i>Biochemical and Biophysical Research Communications</i> , 2009, 382, 771-775.	1.0	8
27	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.	2.0	33
28	The Transthyretin-Retinol-Binding Protein Complex. , 2009, , 123-142.		6
29	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.	1.5	13
30	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.	1.4	22
31	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.	1.6	21
32	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.	1.4	12
33	Crystal structure of the anticarcinogenic Bowman's Birk inhibitor from snail medic (<i>Medicago Tj</i>) ETQq1 1 0.784314 rgBT /Qverlock 10	1.3	11
34	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.	1.5	13
35	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.	1.6	35
36	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.	1.6	83

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37	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.	1.2	6
38	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
39	Crystal Structure of Chicken Liver Basic Fatty Acid-Binding Protein Complexed with Cholic Acid. <i>Biochemistry</i> , 2004, 43, 14072-14079.	1.2	57
40	Solution structure of chicken liver basic fatty acid binding protein. <i>Journal of Biomolecular NMR</i> , 2003, 25, 157-160.	1.6	15
41	Ceramide modulates the lipid membrane organization at molecular and supramolecular levels. <i>Chemistry and Physics of Lipids</i> , 2003, 122, 147-152.	1.5	30
42	Structural and Biochemical Characterization of Toad Liver Fatty Acid-Binding Protein. <i>Biochemistry</i> , 2003, 42, 8192-8203.	1.2	35
43	Interactions of chicken liver basic fatty acid-binding protein with lipid membranes. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2003, 1611, 98-106.	1.4	29
44	Structural and biochemical characterization of a new type of lectin isolated from carp eggs. <i>Biochemical Journal</i> , 2003, 376, 433-440.	1.7	40
45	Three-Dimensional Structure of the Transthyretin-Retinol-Binding Protein Complex. <i>Clinical Chemistry and Laboratory Medicine</i> , 2002, 40, 1229-36.	1.4	25
46	pH and Ionic Strength Dependence of Protein (Un)Folding and Ligand Binding to Bovine β^2 -Lactoglobulins A and B. <i>Biochemistry</i> , 2002, 41, 15415-15422.	1.2	25
47	Probing protein aggregation by time-resolved fluorescence during β^2 -lactoglobulin crystal growth. <i>European Biophysics Journal</i> , 2002, 31, 111-117.	1.2	13
48	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.	1.2	17
49	Crystallization and preliminary X-ray study of two liver basic fatty acid-binding proteins. <i>Acta Crystallographica Section D: Biological Crystallography</i> , 2001, 57, 1903-1905.	2.5	4
50	Crystal structure of a truncated form of porcine odorant-binding protein. <i>Proteins: Structure, Function and Bioinformatics</i> , 2001, 42, 201-209.	1.5	7
51	Crystallization of chicken liver (basic) fatty acid binding protein after purification in multicompartement electrolyzers with isoelectric membranes. <i>Electrophoresis</i> , 2000, 21, 2316-2320.	1.3	8
52	The transthyretin-retinol-binding protein complex. <i>BBA - Proteins and Proteomics</i> , 2000, 1482, 65-72.	2.1	142
53	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.	1.6	62
54	The carbohydrates of the isoforms of three avian riboflavin-binding proteins. <i>FEBS Journal</i> , 1999, 263, 849-858.	0.2	19

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55	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.	1.8	30
56	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
57	Crystal structure of chicken riboflavin-binding protein. <i>EMBO Journal</i> , 1997, 16, 1475-1483.	3.5	127
58	Partially folded structure of monomeric bovine β^2 -lactoglobulin. <i>FEBS Letters</i> , 1996, 381, 237-243.	1.3	103
59	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
60	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.	1.8	38
61	Structure of a complex of two plasma proteins: transthyretin and retinol-binding protein. <i>Science</i> , 1995, 268, 1039-1041.	6.0	387
62	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
63	Crystallization of the Macromolecular Complex Transthyretin-Retinol-binding Protein. <i>Journal of Molecular Biology</i> , 1994, 244, 110-113.	2.0	18
64	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.	2.0	82
65	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.	1.2	49
66	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
67	Crystal structure of chicken liver basic fatty acid-binding protein at 2.7 Å... resolution. , 1990, , 95-99.		1
68	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.	1.3	38
69	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.	2.0	348
70	Crystallographic Studies on Retinol-Binding Protein and Beta Lactoglobulin. , 1987, , 69-79.		0
71	Purification of human plasma retinol-binding protein by hydrophobic interaction chromatography. <i>Analytical Biochemistry</i> , 1985, 150, 273-277.	1.1	31
72	Structure of the inhibitor of aspartate transcarbamylase, N-(phosphonacetyl)-L-aspartate. <i>Journal of the American Chemical Society</i> , 1984, 106, 7900-7904.	6.6	16

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73	Crystallization of human plasma apo-retinol-binding protein. <i>Journal of Molecular Biology</i> , 1984, 178, 477-479.	2.0	9
74	Crystallization of hen eggwhite riboflavin-binding protein. <i>Journal of Molecular Biology</i> , 1984, 180, 1185-1187.	2.0	15
75	Crystallization and preliminary X-ray data of human plasma retinol-binding protein. <i>Journal of Molecular Biology</i> , 1983, 163, 679-681.	2.0	11
76	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.	2.0	238
77	A 3.0-A 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.	3.3	20
78	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.	3.3	151
79	Complex of Aspartate Carbamoyltransferase from <i>Escherichia coli</i> with Its Allosteric Inhibitor, Cytidine Triphosphate: Electron Density at 5.9-A Resolution. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1974, 71, 4437-4441.	3.3	13