Stefano Capaldi

List of Publications by Year
in descending order

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42 papers	1,504 citations	331670 21 h-index	315739 38 g-index
42 all docs	42 docs citations	42 times ranked	2283 citing authors

#	Article	IF	Citations
1	Diagnosis of Human Prion Disease Using Real-Time Quaking-Induced Conversion Testing of Olfactory Mucosa and Cerebrospinal Fluid Samples. JAMA Neurology, 2017, 74, 155.	9.0	176
2	Structure of eukaryotic purine/H+ symporter UapA suggests a role for homodimerization in transport activity. Nature Communications, 2016, 7, 11336.	12.8	108
3	Comparative Evaluation of Recombinant Protein Production in Different Biofactories: The Green Perspective. BioMed Research International, 2014, 2014, 1-14.	1.9	97
4	Alpha-synuclein seeds in olfactory mucosa of patients with isolated REM sleep behaviour disorder. Brain, 2021, 144, 1118-1126.	7.6	92
5	Î±â€Synuclein RTâ€QuIC assay in cerebrospinal fluid of patients with dementia with Lewy bodies. Annals of Clinical and Translational Neurology, 2019, 6, 2120-2126.	3.7	87
6	The Antineoplastic Lectin of the Common Edible Mushroom (Agaricus bisporus) Has Two Binding Sites, Each Specific for a Different Configuration at a Single Epimeric Hydroxyl. Journal of Biological Chemistry, 2005, 280, 10614-10623.	3.4	83
7	Glucose-Neopentyl Glycol (GNG) amphiphiles for membrane protein study. Chemical Communications, 2013, 49, 2287-2289.	4.1	79
8	Structure of a lectin with antitumoral properties in king bolete (Boletus edulis) mushrooms. Glycobiology, 2011, 21, 1000-1009.	2.5	65
9	Crystal Structure of Chicken Liver Basic Fatty Acid-Binding Protein Complexed with Cholic Acidâ€,â€¡. Biochemistry, 2004, 43, 14072-14079.	2.5	57
10	The chaperone-like protein 14-3-3Î· interacts with human Î±-synuclein aggregation intermediates rerouting the amyloidogenic pathway and reducing Î±-synuclein cellular toxicity. Human Molecular Genetics, 2014, 23, 5615-5629.	2.9	56
11	Electron transfer between carotenoid and chlorophyll contributes to quenching in the LHCSR1 protein from Physcomitrella patens. Biochimica Et Biophysica Acta - Bioenergetics, 2016, 1857, 1870-1878.	1.0	51
12	BEL Â-trefoil: A novel lectin with antineoplastic properties in king bolete (Boletus edulis) mushrooms. Glycobiology, 2013, 23, 578-592.	2.5	50
13	A class of rigid linker-bearing glucosides for membrane protein structural study. Chemical Science, 2016, 7, 1933-1939.	7.4	39
14	High Diagnostic Accuracy of RT-QuIC Assay in a Prospective Study of Patients with Suspected sCJD. International Journal of Molecular Sciences, 2020, 21, 880.	4.1	38
15	Alpha-synuclein seeds in olfactory mucosa and cerebrospinal fluid of patients with dementia with Lewy bodies. Brain Communications, 2021, 3, fcab045.	3.3	37
16	Structure and Properties of the C-terminal Domain of Insulin-like Growth Factor-binding Protein-1 Isolated from Human Amniotic Fluid. Journal of Biological Chemistry, 2005, 280, 29812-29819.	3.4	35
17	The X-Ray Structure of Zebrafish (Danio rerio) Ileal Bile Acid-Binding Protein Reveals the Presence of Binding Sites on the Surface of the Protein Molecule. Journal of Molecular Biology, 2009, 385, 99-116.	4.2	33
18	Structural changes in the BH3 domain of SOUL protein upon interaction with the anti-apoptotic protein Bcl-xL. Biochemical Journal, 2011, 438, 291-301.	3.7	26

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19	Heterologous Expression of Moss Light-harvesting Complex Stress-related 1 (LHCSR1), the Chlorophyll a-Xanthophyll Pigment-protein Complex Catalyzing Non-photochemical Quenching, in Nicotiana sp.. Journal of Biological Chemistry, 2015, 290, 24340-24354.	3.4	26
20	Semisynthetic and Enzymeâ€Mediated Conjugate Preparations Illuminate the Ubiquitinationâ€Dependent Aggregation of Tau Protein. Angewandte Chemie - International Edition, 2020, 59, 6607-6611.	13.8	24
21	Surface Plasmon Resonance as a Tool for Ligand Binding Investigation of Engineered GPR17 Receptor, a G Protein Coupled Receptor Involved in Myelination. Frontiers in Chemistry, 2019, 7, 910.	3.6	24
22	Pathophysiological Consequences of Neuronal Î±-Synuclein Overexpression: Impacts on Ion Homeostasis, Stress Signaling, Mitochondrial Integrity, and Electrical Activity. Frontiers in Molecular Neuroscience, 2018, 11, 49.	2.9	22
23	A Single Amino Acid Mutation in Zebrafish (Danio rerio) Liver Bile Acid-binding Protein Can Change the Stoichiometry of Ligand Binding. Journal of Biological Chemistry, 2007, 282, 31008-31018.	3.4	21
24	Comparative analysis of different biofactories for the production of a major diabetes autoantigen. Transgenic Research, 2014, 23, 281-291.	2.4	19
25	Interaction of Chicken Liver Basic Fatty Acid-Binding Protein with Fatty Acids:Â A13C NMR and Fluorescence Studyâ€. Biochemistry, 2001, 40, 12604-12611.	2.5	17
26	Ubiquitination of Alzheimer's-related tau protein affects liquid-liquid phase separation in a site- and cofactor-dependent manner. International Journal of Biological Macromolecules, 2022, 201, 173-181.	7.5	16
27	Crystal structure of axolotl (Ambystoma mexicanum) liver bile acidâ€binding protein bound to cholic and oleic acid. Proteins: Structure, Function and Bioinformatics, 2006, 64, 79-88.	2.6	13
28	Crystal structure of human cellular retinolâ€binding protein II to 1.2 Ã... resolution. Proteins: Structure, Function and Bioinformatics, 2008, 70, 1626-1630.	2.6	13
29	Allosteric sodium binding cavity in GPR3: a novel player in modulation of AÎ² production. Scientific Reports, 2018, 8, 11102.	3.3	13
30	Crystal structure of the anticarcinogenic Bowmanâ€“Birk inhibitor from snail medic (Medicago) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 30	2.8	11
31	Three-dimensional structure and ligand-binding site of carp fishelectin (FEL). Acta Crystallographica Section D: Biological Crystallography, 2015, 71, 1123-1135.	2.5	11
32	Structure and properties of the oyster mushroom (Pleurotus ostreatus) lectin. Glycobiology, 2020, 30, 550-562.	2.5	11
33	The crystal structure of sterol carrier protein 2 from Yarrowia lipolytica and the evolutionary conservation of a large, non-specific lipid-binding cavity. Journal of Structural and Functional Genomics, 2013, 14, 145-153.	1.2	10
34	Structural Basis for Chaperoneâ€Independent Ubiquitination of Tau Protein by Its E3 Ligase CHIP. Angewandte Chemie - International Edition, 2022, 61, .	13.8	9
35	Molecular mechanisms of light harvesting in the minor antenna CP29 in near-native membrane lipidic environment. Journal of Chemical Physics, 2022, 156, .	3.0	7
36	Xâ€ray evidence of a native state with increased compactness populated by tryptophanâ€less B. licheniformis Î²â€lactamase. Protein Science, 2012, 21, 964-976.	7.6	6

#	Article	IF	Citations
37	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. Biochimica Et Biophysica Acta - General Subjects, 2017, 1861, 2315-2324.	2.4	6
38	Crystallization and preliminary X-ray study of the common edible mushroom (Agaricus bisporus) lectin. Acta Crystallographica Section D: Biological Crystallography, 2004, 60, 718-720.	2.5	5
39	High-resolution structures of mutants of residues that affect access to the ligand-binding cavity of human lipocalin-type prostaglandin D synthase. Acta Crystallographica Section D: Biological Crystallography, 2014, 70, 2125-2138.	2.5	5
40	Camouflaged Fluorescent Silica Nanoparticles Target Aggregates and Condensates of the Amyloidogenic Protein Tau. Bioconjugate Chemistry, 2022, 33, 1261-1268.	3.6	4
41	Semisynthetic and Enzymeâ€Mediated Conjugate Preparations Illuminate the Ubiquitinationâ€Dependent Aggregation of Tau Protein. Angewandte Chemie, 2020, 132, 6669-6673.	2.0	2
42	Structural Basis for Chaperoneâ€Independent Ubiquitination of Tau Protein by its E3 Ligase CHIP. Angewandte Chemie, 0, , .	2.0	0