Sabato Dauria

List of Publications by Year
in descending order

175	4,582	136950	144013
papers	citations	32 h-index	57 g-index

177	177	177	4761
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Radiative Decay Engineering. Analytical Biochemistry, 2002, 301, 261-277.	2.4	642
2	Intrinsic Fluorescence from DNA Can Be Enhanced by Metallic Particles. Biochemical and Biophysical Research Communications, 2001, 286, 875-879.	2.1	199
3	Vesicular and non-vesicular transport feed distinct glycosylation pathways in the Golgi. Nature, 2013, 501, 116-120.	27.8	136
4	Cloning, Overexpression, and Properties of a New Thermophilic and Thermostable Esterase with Sequence Similarity to Hormone-Sensitive Lipase Subfamily from the Archaeon Archaeoglobus fulgidus. Archives of Biochemistry and Biophysics, 2000, 373, 182-192.	3.0	131
5	Thermostable NAD+-dependent alcohol dehydrogenase from Sulfolobus solfataricus: gene and protein sequence determination and relationship to other alcohol dehydrogenases. Biochemistry, 1992, 31, 12514-12523.	2.5	103
6	Detection of odorant molecules via surface acoustic wave biosensor array based on odorant-binding proteins. Biosensors and Bioelectronics, 2013, 41, 328-334.	10.1	87
7	An innovative plastic optical fiber-based biosensor for new bio/applications. The case of celiac disease. Sensors and Actuators B: Chemical, 2013, 176, 1008-1014.	7.8	85
8	The Fluorescence Emission of the Apo-glucose Oxidase from Aspergillus niger as Probe to Estimate Glucose Concentrations. Biochemical and Biophysical Research Communications, 1999, 263, 550-553.	2.1	73
9	A Thermophilic Apoglucose Dehydrogenase as Nonconsuming Glucose Sensor. Biochemical and Biophysical Research Communications, 2000, 274, 727-731.	2.1	69
10	Enzyme fluorescence as a sensing tool: new perspectives in biotechnology. Current Opinion in Biotechnology, 2001, 12, 99-104.	6.6	63
11	Effects of temperature and SDS on the structure of Î²-glycosidase from the thermophilic archaeon Sulfolobus solfataricus. Biochemical Journal, 1997, 323, 833-840.	3.7	60
12	Fluorescence-Based Biosensors. Methods in Molecular Biology, 2012, 875, 193-216.	0.9	60
13	A New Competitive Fluorescence Assay for the Detection of Patulin Toxin. Analytical Chemistry, 2007, 79, 751-757.	6.5	59
14	Proteins from extremophiles as stable tools for advanced biotechnological applications of high social interest. Journal of the Royal Society Interface, 2007, 4, 183-191.	3.4	58
15	A surface acoustic wave bio-electronic nose for detection of volatile odorant molecules. Biosensors and Bioelectronics, 2015, 67, 516-523.	10.1	58
16	A High Sensitivity Biosensor to detect the presence of perfluorinated compounds in environment. Talanta, 2018, 178, 955-961.	5.5	57
17	Porous silicon-based optical microsensor for the detection of l-glutamine. Biosensors and Bioelectronics, 2006, 21, 1664-1667.	10.1	55
18	A surface plasmon resonance based biochip for the detection of patulin toxin. Optical Materials, 2014, 36, 1670-1675.	3.6	53

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19	Effects of Metallic Silver Particles on Resonance Energy Transfer Between Fluorophores Bound to DNA. Journal of Fluorescence, 2003, 13, 69-77.	2.5	52
20	Glutamine-Binding Protein fromEscherichiacoliSpecifically Binds a Wheat Gliadin Peptide Allowing the Design of a New Porous Silicon-Based Optical Biosensorâ€. Journal of Proteome Research, 2006, 5, 1241-1245.	3.7	46
21	Microbial carbohydrate esterases in cold adapted environments. Gene, 2008, 410, 234-240.	2.2	44
22	A novel fluorescence polarization assay for determination of penicillin G in milk. Food Chemistry, 2016, 190, 381-385.	8.2	44
23	Myoglobin as a New Fluorescence Probe to Sense H2S. Protein and Peptide Letters, 2011, 18, 282-286.	0.9	42
24	The Î²-glycosidase from the hyperthermophilic archaeon Sulfolobus solfataricus: enzyme activity and conformational dynamics at temperatures above 100Â°C. Biophysical Chemistry, 1999, 81, 23-31.	2.8	40
25	A Novel Fluorescence Competitive Assay for Glucose Determinations by Using a Thermostable Glucokinase from the Thermophilic Microorganism Bacillus stearothermophilus. Analytical Biochemistry, 2002, 303, 138-144.	2.4	40
26	The psychrophilic bacterium Pseudoalteromonas halosplanktis TAC125 possesses a gene coding for a cold-adapted feruloyl esterase activity that shares homology with esterase enzymes from Î³-proteobacteria and yeast. Gene, 2007, 397, 51-57.	2.2	38
27	Glucose biosensors as models for the development of advanced protein-based biosensors. Molecular BioSystems, 2005, 1, 354.	2.9	37
28	Preparation of surface acoustic wave odor sensors by laser-induced forward transfer. Sensors and Actuators B: Chemical, 2014, 192, 369-377.	7.8	37
29	Structure-function studies on Î²-glycosidase from Sulfolobus solfataricus. Molecular bases of thermostability. Biochimie, 1998, 80, 949-957.	2.6	36
30	A near-infrared fluorescence assay method to detect patulin in food. Analytical Biochemistry, 2015, 481, 55-59.	2.4	35
31	The protein scaffold of the lipocalin odorant-binding protein is suitable for the design of new biosensors for the detection of explosive components. Journal of Physics Condensed Matter, 2007, 19, 395012.	1.8	34
32	High-Affinity Binding of Cadmium Ions by Mouse Metallothionein Prompting the Design of a Reversed-Displacement Protein-Based Fluorescence Biosensor for Cadmium Detection. Analytical Chemistry, 2007, 79, 5760-5762.	6.5	34
33	Emergent Biosensing Technologies Based on Fluorescence Spectroscopy and Surface Plasmon Resonance. Sensors, 2021, 21, 906.	3.8	34
34	Nanostructured Silver-Based Surfaces: New Emergent Methodologies for an Easy Detection of Analytes. ACS Applied Materials & Interfaces, 2009, 1, 2909-2916.	8.0	33
35	Long-Distance FRET Analysis: A Monte Carlo Simulation Study. Journal of Physical Chemistry B, 2011, 115, 10120-10125.	2.6	33
36	Hydrophobic interactions and ionic networks play an important role in thermal stability and denaturation mechanism of the porcine odorantâ€binding protein. Proteins: Structure, Function and Bioinformatics, 2008, 71, 35-44.	2.6	32

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37	A Loose Domain Swapping Organization Confers a Remarkable Stability to the Dimeric Structure of the Arginine Binding Protein from Thermotoga maritima. PLoS ONE, 2014, 9, e96560.	2.5	31
38	Binding of glutamine to glutamine-binding protein from Escherichia coli induces changes in protein structure and increases protein stability. Proteins: Structure, Function and Bioinformatics, 2004, 58, 80-87.	2.6	30
39	A Protein Biosensor for Lactate. Analytical Biochemistry, 2000, 283, 83-88.	2.4	29
40	The role of calcium in the conformational dynamics and thermal stability of the D-galactose/D-glucose-binding protein from Escherichia coli. Proteins: Structure, Function and Bioinformatics, 2005, 61, 184-195.	2.6	29
41	Structural Analysis and Caco-2 Cell Permeability of the Celiac-Toxic A-Gliadin Peptide 31â€“55. Journal of Agricultural and Food Chemistry, 2013, 61, 1088-1096.	5.2	29
42	Identification of the Active Site Nucleophile in the Thermostable Î²-Glycosidase from the ArchaeonSulfolobus solfataricusExpressed inEscherichia coliâ€. Biochemistry, 1997, 36, 3068-3075.	2.5	28
43	Â-Glycosidase from the Hyperthermophilic Archaeon Sulfolobus solfataricus: Structure and Activity in the Presence of Alcohols. Journal of Biochemistry, 1999, 126, 545-552.	1.7	27
44	Stability and conformational dynamics of metallothioneins from the antarctic fishNotothenia coriiceps and mouse. Proteins: Structure, Function and Bioinformatics, 2002, 46, 259-267.	2.6	27
45	Unfolding and Refolding of the Glutamine-Binding Protein fromEscherichia coliand Its Complex with Glutamine Induced by Guanidine Hydrochlorideâ€. Biochemistry, 2005, 44, 5625-5633.	2.5	27
46	Stability and Dynamics of the Porcine Odorant-Binding Protein. Biochemistry, 2007, 46, 11120-11127.	2.5	27
47	The esterase from the thermophilic eubacteriumBacillus acidocaldarius: Structural-functional relationship and comparison with the esterase from the hyperthermophilic archaeonArchaeoglobus fulgidus. Proteins: Structure, Function and Bioinformatics, 2000, 40, 473-481.	2.6	26
48	Conformational stability and domain coupling in D-glucose/D-galactose-binding protein from Escherichia coli. Biochemical Journal, 2004, 381, 97-103.	3.7	26
49	Writing 3D protein nanopatterns onto a silicon nanosponge. Lab on A Chip, 2005, 5, 1048.	6.0	26
50	Theoretical model of the three-dimensional structure of a sugar-binding protein from Pyrococcus horikoshii: structural analysis and sugar-binding simulations. Biochemical Journal, 2004, 380, 677-684.	3.7	25
51	Binding of Glucose to the d-Galactose/d-Glucoseâ€“Binding Protein from Escherichia coli Restores the Native Protein Secondary Structure and Thermostability That Are Lost upon Calcium Depletion. Journal of Biochemistry, 2006, 139, 213-221.	1.7	25
52	Fluorescence Correlation Spectroscopy Assay for Gliadin in Food. Analytical Chemistry, 2007, 79, 4687-4689.	6.5	25
53	Detection of naphthalene in sea-water by a label-free plasmonic optical fiber biosensor. Talanta, 2019, 194, 289-297.	5.5	25
54	Structural characterization and thermal stability of Notothenia coriiceps metallothionein. Biochemical Journal, 2001, 354, 291-299.	3.7	24

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55	Structural and Thermal Stability Characterization of Escherichia colid-Galactose/d-Glucose-Binding Protein. Biotechnology Progress, 2008, 20, 330-337.	2.6	24
56	Perturbation of conformational dynamics, enzymatic activity, and thermostability of Î²-glycosidase from archaeonSulfolobus solfataricus by pH and sodium dodecyl sulfate detergent. Proteins: Structure, Function and Bioinformatics, 1997, 27, 71-79.	2.6	23
57	Different effects of microwave energy and conventional heat on the activity of a thermophilic ï¿½-galactosidase fromBacillus acidocaldarius. Bioelectromagnetics, 1999, 20, 172-176.	1.6	23
58	Protein-Based Biosensors for Diabetic Patients. Journal of Fluorescence, 2004, 14, 491-498.	2.5	23
59	Absorption into fluorescence. A method to sense biologically relevant gas molecules. Nanoscale, 2011, 3, 298-302.	5.6	23
60	Amino acid transport in thermophiles: Characterization of an arginine-binding protein from Thermotoga maritima. 3. Conformational dynamics and stability. Journal of Photochemistry and Photobiology B: Biology, 2013, 118, 66-73.	3.8	23
61	Easy to Use Plastic Optical Fiber-Based Biosensor for Detection of Butanal. PLoS ONE, 2015, 10, e0116770.	2.5	23
62	Amino acid transport in thermophiles: characterization of an arginine-binding protein in Thermotoga maritima. Molecular BioSystems, 2009, 6, 142-151.	2.9	22
63	Mass spectrometry study of ecto-5â€²-nucleotidase from bull seminal plasma. FEBS Journal, 2000, 267, 4978-4987.	0.2	21
64	D-galactose/D-glucose-binding Protein from Escherichia coli as Probe for a Non-consuming Glucose Implantable Fluorescence Biosensor. Sensors, 2007, 7, 2484-2491.	3.8	21
65	Crystal structure of an Sâ€formylglutathione hydrolase from Pseudoalteromonas haloplanktis TAC125. Biopolymers, 2010, 93, 669-677.	2.4	21
66	Functional and Structural Properties of the Homogeneous Î²-Glycosidase from the Extreme Thermoacidophilic ArchaeonSulfolobus solfataricusExpressed inSaccharomyces cerevisiae. Protein Expression and Purification, 1996, 7, 299-308.	1.3	20
67	Purification and Characterization of a Lipoxygenase Enzyme from Durum Wheat Semolina. Journal of Agricultural and Food Chemistry, 1999, 47, 1924-1931.	5.2	20
68	D-Trehalose/D-maltose-binding protein from the hyperthermophilic archaeon Thermococcus litoralis: The binding of trehalose and maltose results in different protein conformational states. Proteins: Structure, Function and Bioinformatics, 2006, 63, 754-767.	2.6	20
69	Amino acid transport in thermophiles: characterization of an arginine-binding protein in Thermotoga maritima. 2. Molecular organization and structural stability. Molecular BioSystems, 2010, 6, 687.	2.9	20
70	Extending FoÌˆrster resonance energy transfer measurements beyond 100 AÌŠ using common organic fluorophores: enhanced transfer in the presence of multiple acceptors. Journal of Biomedical Optics, 2012, 17, 011006.	2.6	20
71	The thermophilic esterase fromArchaeoglobus fulgidus: Structure and conformational dynamics at high temperature. , 2000, 38, 351-360.		19
72	Structural characterization and thermal stability of Notothenia coriiceps metallothionein. Biochemical Journal, 2001, 354, 291.	3.7	19

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73	The Tryptophan Phosphorescence of Porcine and Mutant Bovine Odorant-Binding Proteins: A Probe for the Local Protein Structure and Dynamics. Journal of Proteome Research, 2008, 7, 1151-1158.	3.7	19
74	Tumor-specific protein human galectin-1 interacts with anticancer agents. Molecular BioSystems, 2009, 5, 1331.	2.9	19
75	Fluorescence polarization assay to detect the presence of traces of ciprofloxacin. Scientific Reports, 2020, 10, 4550.	3.3	19
76	On the Effect of Sodium Dodecyl Sulfate on the Structure of Â-Galactosidase from Escherichia coli. A Fluorescence Study. Journal of Biochemistry, 2001, 130, 13-18.	1.7	18
77	Resonant cavity enhanced optical microsensor for molecular interactions based on porous silicon. Physica Status Solidi (A) Applications and Materials Science, 2006, 203, 886-891.	1.8	18
78	A new competitive fluorescence immunoassay for detection of Listeria monocytogenes. Analytical Methods, 2012, 4, 4187.	2.7	18
79	Structure and Stability of a Rat Odorant-Binding Protein: Another Brick in the Wall. Journal of Proteome Research, 2009, 8, 4005-4013.	3.7	17
80	Biophotonic Ring Resonator for Ultrasensitive Detection of DMMP As a Simulant for Organophosphorus Agents. Analytical Chemistry, 2014, 86, 5125-5130.	6.5	17
81	Sweet Sensor for the Detection of Aflatoxin M1 in Whole Milk. ACS Omega, 2019, 4, 12803-12807.	3.5	17
82	Nad⁺Dependent Alcohol Dehydrogenase fromSulfolobus Solfataricus: Structural and Functional Features. Biocatalysis, 1994, 11, 143-150.	0.9	16
83	Thermal denaturation pathway of starch phosphorylase from Corynebacterium callunae: Oxyanion binding provides the glue that efficiently stabilizes the dimer structure of the protein. Protein Science, 2000, 9, 1149-1161.	7.6	16
84	Nanostructured silicon-based biosensors for the selective identification of analytes of social interest. Journal of Physics Condensed Matter, 2006, 18, S2019-S2028.	1.8	16
85	A Strategic Fluorescence Labeling ofd-Galactose/d-Glucose-Binding Protein fromEscherichiacoliHelps to Shed Light on the Protein Structural Stability and Dynamics. Journal of Proteome Research, 2007, 6, 4119-4126.	3.7	16
86	Wild-Type and Mutant Bovine Odorant-Binding Proteins To Probe the Role of the Quaternary Structure Organization in the Protein Thermal Stability. Journal of Proteome Research, 2008, 7, 5221-5229.	3.7	16
87	Novel biosensors based on optimized glycine oxidase. FEBS Journal, 2014, 281, 3460-3472.	4.7	16
88	A Rapid and Sensitive Assay for the Detection of Benzylpenicillin (PenG) in Milk. PLoS ONE, 2015, 10, e0132396.	2.5	16
89	Structure/function of KRAB repression domains: Structural properties of KRAB modules inferred from hydrodynamic, circular dichroism, and FTIR spectroscopic analyses. Proteins: Structure, Function and Bioinformatics, 2005, 62, 604-616.	2.6	15
90	Fluorescence Properties of Glutamine-Binding Protein fromEscherichia coliand Its Complex with Glutamine. Journal of Proteome Research, 2005, 4, 417-423.	3.7	15

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91	Exploring the cupin-type metal-coordinating signature of acetylacetone dioxygenase Dke1 with site-directed mutagenesis: Catalytic reaction profile and Fe2+ binding stability of Glu-69â†'Gln mutant. Journal of Molecular Catalysis B: Enzymatic, 2006, 39, 171-178.	1.8	15
92	Structure and Dynamics of Cold-Adapted Enzymes as Investigated by Phosphorescence Spectroscopy and Molecular Dynamics Studies. 2. The Case of an Esterase from Pseudoalteromonas haloplanktis. Journal of Physical Chemistry B, 2009, 113, 13171-13178.	2.6	15
93	Structure and Dynamics of Cold-Adapted Enzymes as Investigated by FT-IR Spectroscopy and MD. The Case of an Esterase from Pseudoalteromonas haloplanktis. Journal of Physical Chemistry B, 2009, 113, 7753-7761.	2.6	15
94	Engineering a switch-based biosensor for arginine using a Thermotoga maritima periplasmic binding protein. Analytical Biochemistry, 2017, 525, 60-66.	2.4	15
95	Enzymes as Sensors. Methods in Enzymology, 2017, 589, 115-131.	1.0	15
96	A Thermostable Sugar-Binding Protein from the Archaeon Pyrococcus horikoshii as a Probe for the Development of a Stable Fluorescence Biosensor for Diabetic Patients. Biotechnology Progress, 2004, 20, 1572-1577.	2.6	14
97	The Odorant-Binding Protein from Canis familiaris: Purification, Characterization and New Perspectives in Biohazard Assessment. Protein and Peptide Letters, 2006, 13, 349-352.	0.9	14
98	Glutamine-Binding Protein fromEscherichiaColiSpecifically Binds a Wheat Gliadin Peptide. 2. Resonance Energy Transfer Studies Suggest a New Sensing Approach for an Easy Detection of Wheat Gliadin. Journal of Proteome Research, 2006, 5, 2083-2086.	3.7	13
99	Tryptophan Phosphorescence Studies of thed-Galactose/d-Glucose-Binding Protein fromEscherichiacoliProvide a Molecular Portrait with Structural and Dynamics Features of the Protein. Journal of Proteome Research, 2007, 6, 1306-1312.	3.7	13
100	Mutant bovine odorantâ€binding protein: Temperature affects the protein stability and dynamics as revealed by infrared spectroscopy and molecular dynamics simulations. Proteins: Structure, Function and Bioinformatics, 2008, 72, 769-778.	2.6	13
101	New Insight in Proteinâ€"Ligand Interactions. 2. Stability and Properties of Two Mutant Forms of the <scp>d</scp>-Galactose/<scp>d</scp>-Glucose-Binding Protein from E. coli. Journal of Physical Chemistry B, 2011, 115, 9022-9032.	2.6	13
102	New Insight into Proteinâ"Ligand Interactions. The Case of thed-Galactose/d-Glucose-Binding Protein fromEscherichia coli. Journal of Physical Chemistry B, 2011, 115, 2765-2773.	2.6	13
103	Periplasmic Binding Proteins in Thermophiles: Characterization and Potential Application of an Arginine-Binding Protein from Thermotoga maritima: A Brief Thermo-Story. Life, 2013, 3, 149-160.	2.4	13
104	Proline 235 plays a key role in the regulation of the oligomeric states of Thermotoga maritima Arginine Binding Protein. Biochimica Et Biophysica Acta - Proteins and Proteomics, 2016, 1864, 814-824.	2.3	13
105	The porcine odorant-binding protein as molecular probe for benzene detection. PLoS ONE, 2018, 13, e0202630.	2.5	13
106	Characterization of redox proteins from extreme thermophilic archaebacteria: studies on alcohol dehydrogenase and thioredoxins. Biosensors and Bioelectronics, 1995, 10, 135-140.	10.1	12
107	Enzymes and proteins from extremophiles as hyperstable probes in nanotechnology: the use of D-trehalose/D-maltose-binding protein from the hyperthermophilic archaeon Thermococcus litoralis for sugars monitoring. Extremophiles, 2008, 12, 69-73.	2.3	12
108	Crystallization and preliminary X-ray crystallographic analysis of ligand-free and arginine-bound forms ofThermotoga maritimaarginine-binding protein. Acta Crystallographica Section F: Structural Biology Communications, 2011, 67, 1462-1465.	0.7	12

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109	Extending the range of FRETâ€"the Monte Carlo study of the antenna effect. Journal of Molecular Modeling, 2013, 19, 4195-4201.	1.8	12
110	Confocal imaging of protein distributions in porous silicon optical structures. Journal of Physics Condensed Matter, 2007, 19, 395009.	1.8	11
111	The differences in the microenvironment of the two tryptophan residues of the glutamineâ€binding protein from ‹i›Escherichia coli‹/i› shed light on the binding properties and the structural dynamics of the protein. Proteins: Structure, Function and Bioinformatics, 2008, 71, 743-750.	2.6	11
112	Carbon nanotube-based biosensors. Journal of Physics Condensed Matter, 2008, 20, 474201.	1.8	11
113	Human galectinâ€3 interacts with two anticancer drugs. Proteomics, 2010, 10, 1946-1953.	2.2	11
114	A surface plasmon resonance-based biochip to reveal traces of ephedrine. Analytical Methods, 2012, 4, 1940.	2.7	11
115	Tryptophan-scanning mutagenesis of the ligand binding pocket in Thermotoga maritima arginine-binding protein. Biochimie, 2014, 99, 208-214.	2.6	11
116	Pressure Affects the Structure and the Dynamics of thed-Galactose/d-Glucose-Binding Protein fromEscherichia coliby Perturbing the C-Terminal Domain of the Proteinâ€. Biochemistry, 2006, 45, 11885-11894.	2.5	10
117	FCS-Based Sensing for the Detection of Ochratoxin and Neomycin in Food. Protein and Peptide Letters, 2009, 16, 1425-1428.	0.9	10
118	Domain swapping dissection in Thermotoga maritima arginine binding protein: How structural flexibility may compensate destabilization. Biochimica Et Biophysica Acta - Proteins and Proteomics, 2018, 1866, 952-962.	2.3	10
119	Effect of the optimized selective enrichment medium on the expression of the p60 protein used as Listeria monocytogenes antigen in specific sandwich ELISA. Research in Microbiology, 2019, 170, 182-191.	2.1	10
120	Structural analysis of ASCUT-1, a protein component of the cuticle of the parasitic nematode Ascaris lumbricoides. FEBS Journal, 1998, 255, 588-594.	0.2	9
121	A Recombinant Glutamine-Binding Protein from Escherichia coli: Effect of Ligand-Binding on Protein Conformational Dynamics. Biotechnology Progress, 2004, 20, 1847-1854.	2.6	9
122	Temperature modulates binding specificity and affinity of the d-trehalose/d-maltose-binding protein from the hyperthermophilic archaeon Thermococcus litoralis. Biochimica Et Biophysica Acta - Proteins and Proteomics, 2007, 1774, 540-544.	2.3	9
123	Molecular adaptation strategies to high temperature and thermal denaturation mechanism of the D-trehalose/D-maltose-binding protein from the hyperthermophilic archaeon Thermococcus litoralis. Proteins: Structure, Function and Bioinformatics, 2007, 67, 1002-1009.	2.6	9
124	Mink Growth Hormone Structuralâ€"Functional Relationships: Effects of Renaturing and Storage Conditions. Protein Journal, 2008, 27, 170-180.	1.6	9
125	New trends in bio/nanotechnology: stable proteins as advanced molecular tools for health and environment. Environmental Technology (United Kingdom), 2010, 31, 935-942.	2.2	9
126	Properties and evolution of an alcohol dehydrogenase from the Crenarchaeota Pyrobaculum aerophilum. Gene, 2010, 461, 26-31.	2.2	9

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127	Alcohol dehydrogenase from the hyperthermophilic archaeon Pyrobaculum aerophilum: Stability at high temperature. Archives of Biochemistry and Biophysics, 2012, 525, 40-46.	3.0	9
128	Determination of benzyl methyl ketone â€“ a commonly used precursor in amphetamine manufacture. Analytical Methods, 2012, 4, 3558.	2.7	9
129	The trehalose/maltose-binding protein as the sensitive element of a glucose biosensor. Optical Materials, 2014, 36, 1676-1679.	3.6	9
130	Studies of conformational changes of an arginine-binding protein from Thermotoga maritima in the presence and absence of ligand via molecular dynamics simulations with the coarse-grained UNRES force field. Journal of Molecular Modeling, 2015, 21, 64.	1.8	9
131	Modern fluorescence-based concepts and methods to study biomolecular interactions. Molecular Systems Design and Engineering, 2017, 2, 123-132.	3.4	9
132	The Quaternary Structure of the Recombinant Bovine Odorant-Binding Protein Is Modulated by Chemical Denaturants. PLoS ONE, 2014, 9, e85169.	2.5	9
133	Determination of hydride transfer stereospecificity of NADH-dependent alcohol-aldehyde/ketone oxidoreductase from Sulfolobus solfataricus. BBA - Proteins and Proteomics, 1990, 1041, 94-96.	2.1	8
134	Molecular strategies for protein stabilization: The case of a trehalose/maltoseâ€binding protein from Thermus thermophilus. Proteins: Structure, Function and Bioinformatics, 2008, 73, 839-850.	2.6	8
135	The Archaeal Topoisomerase Reverse Gyrase Is a Helix-destabilizing Protein That Unwinds Four-way DNA Junctions. Journal of Biological Chemistry, 2010, 285, 36532-36541.	3.4	8
136	Under Pressure That Splits a Family in Two. The Case of Lipocalin Family. PLoS ONE, 2012, 7, e50489.	2.5	8
137	Physicochemical Characterization of a Thermostable Alcohol Dehydrogenase from Pyrobaculum aerophilum. PLoS ONE, 2013, 8, e63828.	2.5	8
138	New immobilization method of anti-PepD monoclonal antibodies for the detection of Listeria monocytogenes p60 protein â€“ Part B: Rapid and specific sandwich ELISA using antibodies immobilized on a chitosan/CNC film support. Reactive and Functional Polymers, 2019, 143, 104317.	4.1	8
139	Effect of acidic phospholipids on the structural properties of recombinant cytosolic human glyoxalase II. Proteins: Structure, Function and Bioinformatics, 2002, 48, 126-133.	2.6	7
140	Pressure effect on the stability and the conformational dynamics of the D-Galactose/D-Glucose-binding protein from Escherichia coli. Proteins: Structure, Function and Bioinformatics, 2005, 62, 193-201.	2.6	7
141	Biochips at work: porous silicon microbiosensor for proteomic diagnostic. Journal of Physics Condensed Matter, 2007, 19, 395007.	1.8	7
142	Timeâ€resolved fluorescence spectroscopy and molecular dynamics simulations point out the effects of pressure on the stability and dynamics of the porcine odorantâ€binding protein. Biopolymers, 2008, 89, 284-291.	2.4	7
143	Nanobeads-based assays. The case of gluten detection. Journal of Physics Condensed Matter, 2008, 20, 474202.	1.8	7
144	On the possibility of ephedrine detection: time-resolved fluorescence resonance energy transfer (FRET)-based approach. Analytical and Bioanalytical Chemistry, 2016, 408, 6329-6336.	3.7	7

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145	A fluorescence immunoassay for a rapid detection of Listeria monocytogenes on working surfaces. Scientific Reports, 2020, 10, 21729.	3.3	7
146	Mechanism of thermal denaturation of maltodextrin phosphorylase from Escherichia coli. Biochemical Journal, 2000, 346, 255-263.	3.7	6
147	Odorant detection via Solidly Mounted Resonator biosensor. , 2012, , .		6
148	Characterization of bacterial NMN deamidase as a Ser/Lys hydrolase expands diversity of serine amidohydrolases. FEBS Letters, 2014, 588, 1016-1023.	2.8	6
149	Tryptophan Residue of the D-Galactose/D-Glucose-Binding Protein from E. Coli Localized in its Active Center Does not Contribute to the Change in Intrinsic Fluorescence Upon Glucose Binding. Journal of Fluorescence, 2015, 25, 87-94.	2.5	6
150	Self-oriented monolayer immobilization of ovalbumin and B. cereus antibody molecules on a chemically modified surface of silicon nitride fosters the enhancement of capture of bio-agents. Colloids and Surfaces B: Biointerfaces, 2016, 148, 585-591.	5.0	6
151	Cloning and bacterial expression systems for recombinant human heparanase production: Substrate specificity investigation by docking of a putative heparanase substrate. Biotechnology and Applied Biochemistry, 2018, 65, 89-98.	3.1	6
152	New immobilization method of anti-PepD monoclonal antibodies for the detection of Listeria monocytogenes p60 protein â€“ Part A: Optimization of a crosslinked film support based on chitosan and cellulose nanocrystals (CNC). Reactive and Functional Polymers, 2020, 146, 104313.	4.1	6
153	Engineering resonance energy transfer for advanced immunoassays: The case of celiac disease. Analytical Biochemistry, 2012, 425, 13-17.	2.4	5
154	Structure and stability of D-galactose/D-glucose-binding protein. The role of D-glucose binding and Ca ion depletion. Spectroscopy, 2010, 24, 355-359.	0.8	4
155	Denaturation of proteins with beta-barrel topology induced by guanidine hydrochloride. Spectroscopy, 2010, 24, 367-373.	0.8	4
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