

Sabato D'auria

List of Publications by Year in descending order

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136
papers

3,730
citations

172207

29
h-index

168136

53
g-index

137
all docs

137
docs citations

137
times ranked

3892
citing authors

#	ARTICLE	IF	CITATIONS
1	Radiative Decay Engineering. <i>Analytical Biochemistry</i> , 2002, 301, 261-277.	1.1	642
2	Intrinsic Fluorescence from DNA Can Be Enhanced by Metallic Particles. <i>Biochemical and Biophysical Research Communications</i> , 2001, 286, 875-879.	1.0	199
3	Release of the self-quenching of fluorescence near silver metallic surfaces. <i>Analytical Biochemistry</i> , 2003, 320, 13-20.	1.1	193
4	The Fluorescence Emission of the Apo-glucose Oxidase from <i>Aspergillus niger</i> as Probe to Estimate Glucose Concentrations. <i>Biochemical and Biophysical Research Communications</i> , 1999, 263, 550-553.	1.0	73
5	A Thermophilic Apoglucose Dehydrogenase as Nonconsuming Glucose Sensor. <i>Biochemical and Biophysical Research Communications</i> , 2000, 274, 727-731.	1.0	69
6	Enzyme fluorescence as a sensing tool: new perspectives in biotechnology. <i>Current Opinion in Biotechnology</i> , 2001, 12, 99-104.	3.3	63
7	Effects of temperature and SDS on the structure of β -glucosidase from the thermophilic archaeon <i>Sulfolobus solfataricus</i> . <i>Biochemical Journal</i> , 1997, 323, 833-840.	1.7	60
8	Fluorescence-Based Biosensors. <i>Methods in Molecular Biology</i> , 2012, 875, 193-216.	0.4	60
9	A New Competitive Fluorescence Assay for the Detection of Patulin Toxin. <i>Analytical Chemistry</i> , 2007, 79, 751-757.	3.2	59
10	Proteins from extremophiles as stable tools for advanced biotechnological applications of high social interest. <i>Journal of the Royal Society Interface</i> , 2007, 4, 183-191.	1.5	58
11	A High Sensitivity Biosensor to detect the presence of perfluorinated compounds in environment. <i>Talanta</i> , 2018, 178, 955-961.	2.9	57
12	Porous silicon-based optical microsensor for the detection of l-glutamine. <i>Biosensors and Bioelectronics</i> , 2006, 21, 1664-1667.	5.3	55
13	Effects of Metallic Silver Particles on Resonance Energy Transfer Between Fluorophores Bound to DNA. <i>Journal of Fluorescence</i> , 2003, 13, 69-77.	1.3	52
14	Glutamine-Binding Protein from <i>Escherichia coli</i> Specifically Binds a Wheat Gliadin Peptide Allowing the Design of a New Porous Silicon-Based Optical Biosensor. <i>Journal of Proteome Research</i> , 2006, 5, 1241-1245.	1.8	46
15	Microbial carbohydrate esterases in cold adapted environments. <i>Gene</i> , 2008, 410, 234-240.	1.0	44
16	A novel fluorescence polarization assay for determination of penicillin G in milk. <i>Food Chemistry</i> , 2016, 190, 381-385.	4.2	44
17	How do plants sense volatiles sent by other plants?. <i>Trends in Plant Science</i> , 2022, 27, 29-38.	4.3	44
18	Myoglobin as a New Fluorescence Probe to Sense H ₂ S. <i>Protein and Peptide Letters</i> , 2011, 18, 282-286.	0.4	42

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19	A Novel Fluorescence Competitive Assay for Glucose Determinations by Using a Thermostable Glucokinase from the Thermophilic Microorganism <i>Bacillus stearothermophilus</i> . <i>Analytical Biochemistry</i> , 2002, 303, 138-144.	1.1	40
20	The psychrophilic bacterium <i>Pseudoalteromonas halosplanktis</i> TAC125 possesses a gene coding for a cold-adapted feruloyl esterase activity that shares homology with esterase enzymes from \hat{I}^3 -proteobacteria and yeast. <i>Gene</i> , 2007, 397, 51-57.	1.0	38
21	Glucose biosensors as models for the development of advanced protein-based biosensors. <i>Molecular BioSystems</i> , 2005, 1, 354.	2.9	37
22	Structure-function studies on \hat{I}^2 -glycosidase from <i>Sulfolobus solfataricus</i> . <i>Molecular bases of thermostability</i> . <i>Biochimie</i> , 1998, 80, 949-957.	1.3	36
23	A near-infrared fluorescence assay method to detect patulin in food. <i>Analytical Biochemistry</i> , 2015, 481, 55-59.	1.1	35
24	High-Affinity Binding of Cadmium Ions by Mouse Metallothionein Prompting the Design of a Reversed-Displacement Protein-Based Fluorescence Biosensor for Cadmium Detection. <i>Analytical Chemistry</i> , 2007, 79, 5760-5762.	3.2	34
25	Emergent Biosensing Technologies Based on Fluorescence Spectroscopy and Surface Plasmon Resonance. <i>Sensors</i> , 2021, 21, 906.	2.1	34
26	Nanostructured Silver-Based Surfaces: New Emergent Methodologies for an Easy Detection of Analytes. <i>ACS Applied Materials & Interfaces</i> , 2009, 1, 2909-2916.	4.0	33
27	Long-Distance FRET Analysis: A Monte Carlo Simulation Study. <i>Journal of Physical Chemistry B</i> , 2011, 115, 10120-10125.	1.2	33
28	Hydrophobic interactions and ionic networks play an important role in thermal stability and denaturation mechanism of the porcine odorant-binding protein. <i>Proteins: Structure, Function and Bioinformatics</i> , 2008, 71, 35-44.	1.5	32
29	A Loose Domain Swapping Organization Confers a Remarkable Stability to the Dimeric Structure of the Arginine Binding Protein from <i>Thermotoga maritima</i> . <i>PLoS ONE</i> , 2014, 9, e96560.	1.1	31
30	Binding of glutamine to glutamine-binding protein from <i>Escherichia coli</i> induces changes in protein structure and increases protein stability. <i>Proteins: Structure, Function and Bioinformatics</i> , 2004, 58, 80-87.	1.5	30
31	A Protein Biosensor for Lactate. <i>Analytical Biochemistry</i> , 2000, 283, 83-88.	1.1	29
32	The role of calcium in the conformational dynamics and thermal stability of the D-galactose/D-glucose-binding protein from <i>Escherichia coli</i> . <i>Proteins: Structure, Function and Bioinformatics</i> , 2005, 61, 184-195.	1.5	29
33	Stability and conformational dynamics of metallothioneins from the antarctic fish <i>Notothenia coriiceps</i> and mouse. <i>Proteins: Structure, Function and Bioinformatics</i> , 2002, 46, 259-267.	1.5	27
34	Unfolding and Refolding of the Glutamine-Binding Protein from <i>Escherichia coli</i> and Its Complex with Glutamine Induced by Guanidine Hydrochloride. <i>Biochemistry</i> , 2005, 44, 5625-5633.	1.2	27
35	Stability and Dynamics of the Porcine Odorant-Binding Protein. <i>Biochemistry</i> , 2007, 46, 11120-11127.	1.2	27
36	The esterase from the thermophilic eubacterium <i>Bacillus acidocaldarius</i> : Structural-functional relationship and comparison with the esterase from the hyperthermophilic archaeon <i>Archaeoglobus fulgidus</i> . <i>Proteins: Structure, Function and Bioinformatics</i> , 2000, 40, 473-481.	1.5	26

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37	Conformational stability and domain coupling in D-glucose/D-galactose-binding protein from <i>Escherichia coli</i> . <i>Biochemical Journal</i> , 2004, 381, 97-103.	1.7	26
38	Writing 3D protein nanopatterns onto a silicon nanosponge. <i>Lab on A Chip</i> , 2005, 5, 1048.	3.1	26
39	A Fluorescence Polarization Assay To Detect Steroid Hormone Traces in Milk. <i>Journal of Agricultural and Food Chemistry</i> , 2015, 63, 9159-9164.	2.4	26
40	Theoretical model of the three-dimensional structure of a sugar-binding protein from <i>Pyrococcus horikoshii</i> : structural analysis and sugar-binding simulations. <i>Biochemical Journal</i> , 2004, 380, 677-684.	1.7	25
41	Binding of Glucose to the d-Galactose/d-Glucose-binding Protein from <i>Escherichia coli</i> Restores the Native Protein Secondary Structure and Thermostability That Are Lost upon Calcium Depletion. <i>Journal of Biochemistry</i> , 2006, 139, 213-221.	0.9	25
42	Fluorescence Correlation Spectroscopy Assay for Gliadin in Food. <i>Analytical Chemistry</i> , 2007, 79, 4687-4689.	3.2	25
43	Detection of naphthalene in sea-water by a label-free plasmonic optical fiber biosensor. <i>Talanta</i> , 2019, 194, 289-297.	2.9	25
44	Structural characterization and thermal stability of <i>Notothenia coriiceps</i> metallothionein. <i>Biochemical Journal</i> , 2001, 354, 291-299.	1.7	24
45	Structural and Thermal Stability Characterization of <i>Escherichia coli</i> -Galactose/d-Glucose-Binding Protein. <i>Biotechnology Progress</i> , 2008, 20, 330-337.	1.3	24
46	Perturbation of conformational dynamics, enzymatic activity, and thermostability of β -glucosidase from archaeon <i>Sulfolobus solfataricus</i> by pH and sodium dodecyl sulfate detergent. <i>Proteins: Structure, Function and Bioinformatics</i> , 1997, 27, 71-79.	1.5	23
47	Protein-Based Biosensors for Diabetic Patients. <i>Journal of Fluorescence</i> , 2004, 14, 491-498.	1.3	23
48	Absorption into fluorescence. A method to sense biologically relevant gas molecules. <i>Nanoscale</i> , 2011, 3, 298-302.	2.8	23
49	Easy to Use Plastic Optical Fiber-Based Biosensor for Detection of Butanal. <i>PLoS ONE</i> , 2015, 10, e0116770.	1.1	23
50	Amino acid transport in thermophiles: characterization of an arginine-binding protein in <i>Thermotoga maritima</i> . <i>Molecular BioSystems</i> , 2009, 6, 142-151.	2.9	22
51	D-galactose/D-glucose-binding Protein from <i>Escherichia coli</i> as Probe for a Non-consuming Glucose Implantable Fluorescence Biosensor. <i>Sensors</i> , 2007, 7, 2484-2491.	2.1	21
52	Functional and Structural Properties of the Homogeneous β -Glucosidase from the Extreme Thermoacidophilic Archaeon <i>Sulfolobus solfataricus</i> Expressed in <i>Saccharomyces cerevisiae</i> . <i>Protein Expression and Purification</i> , 1996, 7, 299-308.	0.6	20
53	D-Trehalose/D-maltose-binding protein from the hyperthermophilic archaeon <i>Thermococcus litoralis</i> : The binding of trehalose and maltose results in different protein conformational states. <i>Proteins: Structure, Function and Bioinformatics</i> , 2006, 63, 754-767.	1.5	20
54	Amino acid transport in thermophiles: characterization of an arginine-binding protein in <i>Thermotoga maritima</i> . 2. Molecular organization and structural stability. <i>Molecular BioSystems</i> , 2010, 6, 687.	2.9	20

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55	Extending Förster resonance energy transfer measurements beyond 100 Å using common organic fluorophores: enhanced transfer in the presence of multiple acceptors. <i>Journal of Biomedical Optics</i> , 2012, 17, 011006.	1.4	20
56	The thermophilic esterase from <i>Archaeoglobus fulgidus</i> : Structure and conformational dynamics at high temperature. , 2000, 38, 351-360.		19
57	The Tryptophan Phosphorescence of Porcine and Mutant Bovine Odorant-Binding Proteins: A Probe for the Local Protein Structure and Dynamics. <i>Journal of Proteome Research</i> , 2008, 7, 1151-1158.	1.8	19
58	Tumor-specific protein human galectin-1 interacts with anticancer agents. <i>Molecular BioSystems</i> , 2009, 5, 1331.	2.9	19
59	Fluorescence polarization assay to detect the presence of traces of ciprofloxacin. <i>Scientific Reports</i> , 2020, 10, 4550.	1.6	19
60	On the Effect of Sodium Dodecyl Sulfate on the Structure of β -Galactosidase from <i>Escherichia coli</i> . A Fluorescence Study. <i>Journal of Biochemistry</i> , 2001, 130, 13-18.	0.9	18
61	Resonant cavity enhanced optical microsensor for molecular interactions based on porous silicon. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2006, 203, 886-891.	0.8	18
62	A new competitive fluorescence immunoassay for detection of <i>Listeria monocytogenes</i> . <i>Analytical Methods</i> , 2012, 4, 4187.	1.3	18
63	Structure and Stability of a Rat Odorant-Binding Protein: Another Brick in the Wall. <i>Journal of Proteome Research</i> , 2009, 8, 4005-4013.	1.8	17
64	Biophotonic Ring Resonator for Ultrasensitive Detection of DMMP As a Simulant for Organophosphorus Agents. <i>Analytical Chemistry</i> , 2014, 86, 5125-5130.	3.2	17
65	Sweet Sensor for the Detection of Aflatoxin M1 in Whole Milk. <i>ACS Omega</i> , 2019, 4, 12803-12807.	1.6	17
66	Thermal denaturation pathway of starch phosphorylase from <i>Corynebacterium callunae</i> : Oxyanion binding provides the glue that efficiently stabilizes the dimer structure of the protein. <i>Protein Science</i> , 2000, 9, 1149-1161.	3.1	16
67	A Strategic Fluorescence Labeling of β -Galactose/ β -Glucose-Binding Protein from <i>Escherichia coli</i> Helps to Shed Light on the Protein Structural Stability and Dynamics. <i>Journal of Proteome Research</i> , 2007, 6, 4119-4126.	1.8	16
68	Wild-Type and Mutant Bovine Odorant-Binding Proteins To Probe the Role of the Quaternary Structure Organization in the Protein Thermal Stability. <i>Journal of Proteome Research</i> , 2008, 7, 5221-5229.	1.8	16
69	Novel biosensors based on optimized glycine oxidase. <i>FEBS Journal</i> , 2014, 281, 3460-3472.	2.2	16
70	A Rapid and Sensitive Assay for the Detection of Benzylpenicillin (PenG) in Milk. <i>PLoS ONE</i> , 2015, 10, e0132396.	1.1	16
71	Structure/function of KRAB repression domains: Structural properties of KRAB modules inferred from hydrodynamic, circular dichroism, and FTIR spectroscopic analyses. <i>Proteins: Structure, Function and Bioinformatics</i> , 2005, 62, 604-616.	1.5	15
72	Fluorescence Properties of Glutamine-Binding Protein from <i>Escherichia coli</i> and Its Complex with Glutamine. <i>Journal of Proteome Research</i> , 2005, 4, 417-423.	1.8	15

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73	Structure and Dynamics of Cold-Adapted Enzymes as Investigated by Phosphorescence Spectroscopy and Molecular Dynamics Studies. 2. The Case of an Esterase from <i>Pseudoalteromonas haloplanktis</i> . <i>Journal of Physical Chemistry B</i> , 2009, 113, 13171-13178.	1.2	15
74	Structure and Dynamics of Cold-Adapted Enzymes as Investigated by FT-IR Spectroscopy and MD. The Case of an Esterase from <i>Pseudoalteromonas haloplanktis</i> . <i>Journal of Physical Chemistry B</i> , 2009, 113, 7753-7761.	1.2	15
75	Engineering a switch-based biosensor for arginine using a <i>Thermotoga maritima</i> periplasmic binding protein. <i>Analytical Biochemistry</i> , 2017, 525, 60-66.	1.1	15
76	Enzymes as Sensors. <i>Methods in Enzymology</i> , 2017, 589, 115-131.	0.4	15
77	A Thermostable Sugar-Binding Protein from the Archaeon <i>Pyrococcus horikoshii</i> as a Probe for the Development of a Stable Fluorescence Biosensor for Diabetic Patients. <i>Biotechnology Progress</i> , 2004, 20, 1572-1577.	1.3	14
78	The Odorant-Binding Protein from <i>Canis familiaris</i> : Purification, Characterization and New Perspectives in Biohazard Assessment. <i>Protein and Peptide Letters</i> , 2006, 13, 349-352.	0.4	14
79	Glutamine-Binding Protein from <i>Escherichia coli</i> Specifically Binds a Wheat Gliadin Peptide. 2. Resonance Energy Transfer Studies Suggest a New Sensing Approach for an Easy Detection of Wheat Gliadin. <i>Journal of Proteome Research</i> , 2006, 5, 2083-2086.	1.8	13
80	Tryptophan Phosphorescence Studies of the α -Galactose/ α -Glucose-Binding Protein from <i>Escherichia coli</i> Provide a Molecular Portrait with Structural and Dynamics Features of the Protein. <i>Journal of Proteome Research</i> , 2007, 6, 1306-1312.	1.8	13
81	Mutant bovine odorant-binding protein: Temperature affects the protein stability and dynamics as revealed by infrared spectroscopy and molecular dynamics simulations. <i>Proteins: Structure, Function and Bioinformatics</i> , 2008, 72, 769-778.	1.5	13
82	New Insight in Protein-Ligand Interactions. 2. Stability and Properties of Two Mutant Forms of the α -Galactose/ α -Glucose-Binding Protein from <i>E. coli</i> . <i>Journal of Physical Chemistry B</i> , 2011, 115, 9022-9032.	1.2	13
83	New Insight into Protein-Ligand Interactions. The Case of the α -Galactose/ α -Glucose-Binding Protein from <i>Escherichia coli</i> . <i>Journal of Physical Chemistry B</i> , 2011, 115, 2765-2773.	1.2	13
84	Periplasmic Binding Proteins in Thermophiles: Characterization and Potential Application of an Arginine-Binding Protein from <i>Thermotoga maritima</i> : A Brief Thermo-Story. <i>Life</i> , 2013, 3, 149-160.	1.1	13
85	Proline 235 plays a key role in the regulation of the oligomeric states of <i>Thermotoga maritima</i> Arginine Binding Protein. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2016, 1864, 814-824.	1.1	13
86	The porcine odorant-binding protein as molecular probe for benzene detection. <i>PLoS ONE</i> , 2018, 13, e0202630.	1.1	13
87	Enzymes and proteins from extremophiles as hyperstable probes in nanotechnology: the use of D-trehalose/D-maltose-binding protein from the hyperthermophilic archaeon <i>Thermococcus litoralis</i> for sugars monitoring. <i>Extremophiles</i> , 2008, 12, 69-73.	0.9	12
88	Crystallization and preliminary X-ray crystallographic analysis of ligand-free and arginine-bound forms of <i>Thermotoga maritima</i> arginine-binding protein. <i>Acta Crystallographica Section F: Structural Biology Communications</i> , 2011, 67, 1462-1465.	0.7	12
89	Extending the range of FRET—the Monte Carlo study of the antenna effect. <i>Journal of Molecular Modeling</i> , 2013, 19, 4195-4201.	0.8	12
90	A Diagnostic Device for In-Situ Detection of Swine Viral Diseases: The SWINOSTICS Project. <i>Sensors</i> , 2019, 19, 407.	2.1	12

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91	The differences in the microenvironment of the two tryptophan residues of the glutamine-binding protein from <i>Escherichia coli</i> shed light on the binding properties and the structural dynamics of the protein. <i>Proteins: Structure, Function and Bioinformatics</i> , 2008, 71, 743-750.	1.5	11
92	Carbon nanotube-based biosensors. <i>Journal of Physics Condensed Matter</i> , 2008, 20, 474201.	0.7	11
93	Human galectin-3 interacts with two anticancer drugs. <i>Proteomics</i> , 2010, 10, 1946-1953.	1.3	11
94	A surface plasmon resonance-based biochip to reveal traces of ephedrine. <i>Analytical Methods</i> , 2012, 4, 1940.	1.3	11
95	Tryptophan-scanning mutagenesis of the ligand binding pocket in <i>Thermotoga maritima</i> arginine-binding protein. <i>Biochimie</i> , 2014, 99, 208-214.	1.3	11
96	A hypothesis on the capacity of plant odorant-binding proteins to bind volatile isoprenoids based on in silico evidences. <i>ELife</i> , 2021, 10, .	2.8	11
97	Pressure Affects the Structure and the Dynamics of the d-Galactose/d-Glucose-Binding Protein from <i>Escherichia coli</i> by Perturbing the C-Terminal Domain of the Protein. <i>Biochemistry</i> , 2006, 45, 11885-11894.	1.2	10
98	Domain swapping dissection in <i>Thermotoga maritima</i> arginine binding protein: How structural flexibility may compensate destabilization. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2018, 1866, 952-962.	1.1	10
99	Effect of the optimized selective enrichment medium on the expression of the p60 protein used as <i>Listeria monocytogenes</i> antigen in specific sandwich ELISA. <i>Research in Microbiology</i> , 2019, 170, 182-191.	1.0	10
100	A Recombinant Glutamine-Binding Protein from <i>Escherichia coli</i> : Effect of Ligand-Binding on Protein Conformational Dynamics. <i>Biotechnology Progress</i> , 2004, 20, 1847-1854.	1.3	9
101	Temperature modulates binding specificity and affinity of the d-trehalose/d-maltose-binding protein from the hyperthermophilic archaeon <i>Thermococcus litoralis</i> . <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2007, 1774, 540-544.	1.1	9
102	Molecular adaptation strategies to high temperature and thermal denaturation mechanism of the D-trehalose/D-maltose-binding protein from the hyperthermophilic archaeon <i>Thermococcus litoralis</i> . <i>Proteins: Structure, Function and Bioinformatics</i> , 2007, 67, 1002-1009.	1.5	9
103	Mink Growth Hormone Structural-Functional Relationships: Effects of Renaturing and Storage Conditions. <i>Protein Journal</i> , 2008, 27, 170-180.	0.7	9
104	Alcohol dehydrogenase from the hyperthermophilic archaeon <i>Pyrobaculum aerophilum</i> : Stability at high temperature. <i>Archives of Biochemistry and Biophysics</i> , 2012, 525, 40-46.	1.4	9
105	Determination of benzyl methyl ketone - a commonly used precursor in amphetamine manufacture. <i>Analytical Methods</i> , 2012, 4, 3558.	1.3	9
106	Studies of conformational changes of an arginine-binding protein from <i>Thermotoga maritima</i> in the presence and absence of ligand via molecular dynamics simulations with the coarse-grained UNRES force field. <i>Journal of Molecular Modeling</i> , 2015, 21, 64.	0.8	9
107	Modern fluorescence-based concepts and methods to study biomolecular interactions. <i>Molecular Systems Design and Engineering</i> , 2017, 2, 123-132.	1.7	9
108	Design and Development of Photonic Biosensors for Swine Viral Diseases Detection. <i>Sensors</i> , 2019, 19, 3985.	2.1	9

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109	The Quaternary Structure of the Recombinant Bovine Odorant-Binding Protein Is Modulated by Chemical Denaturants. <i>PLoS ONE</i> , 2014, 9, e85169.	1.1	9
110	Molecular strategies for protein stabilization: The case of a trehalose/maltose-binding protein from <i>Thermus thermophilus</i> . <i>Proteins: Structure, Function and Bioinformatics</i> , 2008, 73, 839-850.	1.5	8
111	Under Pressure That Splits a Family in Two. The Case of Lipocalin Family. <i>PLoS ONE</i> , 2012, 7, e50489.	1.1	8
112	New immobilization method of anti-PepD monoclonal antibodies for the detection of <i>Listeria monocytogenes</i> p60 protein Part B: Rapid and specific sandwich ELISA using antibodies immobilized on a chitosan/CNC film support. <i>Reactive and Functional Polymers</i> , 2019, 143, 104317.	2.0	8
113	Effect of acidic phospholipids on the structural properties of recombinant cytosolic human glyoxalase II. <i>Proteins: Structure, Function and Bioinformatics</i> , 2002, 48, 126-133.	1.5	7
114	Pressure effect on the stability and the conformational dynamics of the D-Galactose/D-Glucose-binding protein from <i>Escherichia coli</i> . <i>Proteins: Structure, Function and Bioinformatics</i> , 2005, 62, 193-201.	1.5	7
115	Time-resolved fluorescence spectroscopy and molecular dynamics simulations point out the effects of pressure on the stability and dynamics of the porcine odorant-binding protein. <i>Biopolymers</i> , 2008, 89, 284-291.	1.2	7
116	On the possibility of ephedrine detection: time-resolved fluorescence resonance energy transfer (FRET)-based approach. <i>Analytical and Bioanalytical Chemistry</i> , 2016, 408, 6329-6336.	1.9	7
117	WaterSpy: A High Sensitivity, Portable Photonic Device for Pervasive Water Quality Analysis. <i>Sensors</i> , 2019, 19, 33.	2.1	7
118	A fluorescence immunoassay for a rapid detection of <i>Listeria monocytogenes</i> on working surfaces. <i>Scientific Reports</i> , 2020, 10, 21729.	1.6	7
119	Photonic Label-Free Biosensors for Fast and Multiplex Detection of Swine Viral Diseases. <i>Sensors</i> , 2022, 22, 708.	2.1	7
120	Mechanism of thermal denaturation of maltodextrin phosphorylase from <i>Escherichia coli</i> . <i>Biochemical Journal</i> , 2000, 346, 255-263.	1.7	6
121	Tryptophan Residue of the D-Galactose/D-Glucose-Binding Protein from <i>E. Coli</i> Localized in its Active Center Does not Contribute to the Change in Intrinsic Fluorescence Upon Glucose Binding. <i>Journal of Fluorescence</i> , 2015, 25, 87-94.	1.3	6
122	Self-oriented monolayer immobilization of ovalbumin and <i>B. cereus</i> antibody molecules on a chemically modified surface of silicon nitride fosters the enhancement of capture of bio-agents. <i>Colloids and Surfaces B: Biointerfaces</i> , 2016, 148, 585-591.	2.5	6
123	Cloning and bacterial expression systems for recombinant human heparanase production: Substrate specificity investigation by docking of a putative heparanase substrate. <i>Biotechnology and Applied Biochemistry</i> , 2018, 65, 89-98.	1.4	6
124	New immobilization method of anti-PepD monoclonal antibodies for the detection of <i>Listeria monocytogenes</i> p60 protein Part A: Optimization of a crosslinked film support based on chitosan and cellulose nanocrystals (CNC). <i>Reactive and Functional Polymers</i> , 2020, 146, 104313.	2.0	6
125	Engineering resonance energy transfer for advanced immunoassays: The case of celiac disease. <i>Analytical Biochemistry</i> , 2012, 425, 13-17.	1.1	5
126	Structure and stability of D-galactose/D-glucose-binding protein. The role of D-glucose binding and Ca ion depletion. <i>Spectroscopy</i> , 2010, 24, 355-359.	0.8	4

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127	The Porcine Odorant-Binding Protein as a Probe for an Impedimetric-Based Detection of Benzene in the Environment. <i>International Journal of Molecular Sciences</i> , 2022, 23, 4039.	1.8	4
128	Oxyanion-Mediated Protein Stabilization: Differential Roles of Phosphate for Preventing Inactivation of Bacterial α -Glucan Phosphorylases. <i>Biocatalysis and Biotransformation</i> , 2001, 19, 379-398.	1.1	3
129	Odor binding protein as probe for a refractive index-based biosensor: new perspectives in biohazard assessment. , 2004, 5321, 258.		3
130	Structural features of the glutamate-binding protein from <i>Corynebacterium glutamicum</i> . <i>International Journal of Biological Macromolecules</i> , 2020, 162, 903-912.	3.6	3
131	Correlation Spectroscopy and Molecular Dynamics Simulations to Study the Structural Features of Proteins. <i>PLoS ONE</i> , 2013, 8, e64840.	1.1	2
132	Osmolyte-Like Stabilizing Effects of Low GdnHCl Concentrations on d-Glucose/d-Galactose-Binding Protein. <i>International Journal of Molecular Sciences</i> , 2017, 18, 2008.	1.8	2
133	A thermoelectrically stabilized aluminium acoustic trap combined with attenuated total reflection infrared spectroscopy for detection of <i>Escherichia coli</i> in water. <i>Lab on A Chip</i> , 2021, 21, 1811-1819.	3.1	2
134	Pressure Effects on the Structure and Stability of the Hyperthermophilic Trehalose/Maltose-Binding Protein from <i>Thermococcus litoralis</i> . <i>Journal of Physical Chemistry B</i> , 2009, 113, 12804-12808.	1.2	1
135	Plasmonic Chemical and Biological Sensors based on plastic optical fibers. , 2018, , .		1
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