

Yigal Burstein

List of Publications by Year in descending order

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35
papers

1,092
citations

489802

18
h-index

445137

33
g-index

35
all docs

35
docs citations

35
times ranked

773
citing authors

#	ARTICLE	IF	CITATIONS
1	Isolation and partial purification of a clonidine-displacing endogenous brain substance. FEBS Journal, 1984, 144, 287-293.	0.2	136
2	Enhanced thermal stability of <i>Clostridium beijerinckii</i> alcohol dehydrogenase after strategic substitution of amino acid residues with prolines from the homologous thermophilic <i>Thermoanaerobacter brockii</i> alcohol dehydrogenase. Protein Science, 1998, 7, 1156-1163.	3.1	100
3	Primary structures of N-terminal extra peptide segments linked to the variable and constant regions of immunoglobulin light chain precursors: implications on the organization and controlled expression of immunoglobulin genes. Biochemistry, 1978, 17, 2392-2400.	1.2	84
4	Selective reduction of cystine I-VIII in $\hat{\pm}$ -lactalbumin of bovine milk. Biochemistry, 1973, 12, 3407-3413.	1.2	77
5	Isolation of an endogenous clonidine-displacing substance from rat brain. FEBS Letters, 1984, 170, 387-390.	1.3	62
6	Molecular Cloning, Nucleotide Sequencing, and Expression of Genes Encoding Alcohol Dehydrogenases From the Thermophile <i>Thermoanaerobacter brockii</i> and the Mesophile <i>Clostridium beijerinckii</i> . Anaerobe, 1997, 3, 259-270.	1.0	55
7	<i>Thermoanaerobacter brockii</i> alcohol dehydrogenase: Characterization of the active site metal and its ligand amino acids. Protein Science, 1997, 6, 450-458.	3.1	50
8	Structural basis for the enhanced thermal stability of alcohol dehydrogenase mutants from the mesophilic bacterium <i>Clostridium beijerinckii</i> : contribution of salt bridging. Protein Science, 2009, 11, 2561-2574.	3.1	48
9	Biological and immunochemical characterization of a low molecular weight phytotoxin isolated from a protein-lipopolysaccharide complex produced by a potato isolate of <i>Verticillium dahliae</i> Kleb. Physiological Plant Pathology, 1985, 26, 43-55.	1.4	44
10	Sulfenylation of tryptophan-62 in hen egg-white lysozyme. Biochemistry, 1972, 11, 653-660.	1.2	43
11	Isolation and partial characterization of a phytotoxic glycopeptide from a protein-lipopolysaccharide complex produced by a potato isolate of <i>Verticillium dahliae</i> . FEBS Letters, 1982, 138, 261-264.	1.3	40
12	Oligomeric integrity—the structural key to thermal stability in bacterial alcohol dehydrogenases. Protein Science, 1999, 8, 1241-1249.	3.1	39
13	Selective chemical cleavage of tryptophanyl peptide bonds in peptides and proteins. Biochemistry, 1972, 11, 4641-4650.	1.2	34
14	Identification of cleavage sites involved in proteolytic processing of <i>Pseudomonas aeruginosa</i> preproelastase. FEBS Letters, 1992, 299, 291-293.	1.3	31
15	Spectroscopic Studies of Inhibited Alcohol Dehydrogenase from <i>Thermoanaerobacter brockii</i> : Proposed Structure for the Catalytic Intermediate State. Biochemistry, 2000, 39, 7702-7711.	1.2	27
16	Stereospecificity of hydrogen transfer by the <i>NADP</i> -linked alcohol dehydrogenase from the thermophilic bacterium <i>Thermoanaerobium brockii</i> . International Journal of Peptide and Protein Research, 1993, 42, 490-495.	0.1	23
17	Synthesis and polymerization of N-carboxyanhydrides of N-benzyl- γ -amino acids. Biopolymers, 1964, 2, 147-161.	1.2	21
18	Glutamine as a precursor to N-terminal pyrrolid-2-one-5-carboxylic acid in mouse immunoglobulin λ -type light chains. Amino acid-sequence variability at the N-terminal extra piece of λ -type light-chain precursors. Biochemical Journal, 1977, 165, 347-354.	1.7	20

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19	Comparison of <i>Verticillium dahliae</i> -produced phytotoxic peptides purified from culture fluids and infected potato stems. <i>Physiological and Molecular Plant Pathology</i> , 1989, 35, 253-269.	1.3	18
20	Cysteine reactivity in <i>Thermoanaerobacter brockii</i> alcohol dehydrogenase. <i>Protein Science</i> , 1997, 6, 1074-1083.	3.1	17
21	Structure-Function Analysis of the Acyl Carrier Protein Synthase (AcpS) from <i>Mycobacterium tuberculosis</i> . <i>Journal of Molecular Biology</i> , 2009, 393, 937-950.	2.0	17
22	Selective Sulfenylation of Tryptophan Residues in β -Lactalbumin of Bovine Milk. <i>Journal of Biological Chemistry</i> , 1974, 249, 413-419.	1.6	17
23	Initiator Methionine Residues at the NH ₂ -Termini of the Two Precursors of MOPC-41 Immunoglobulin Light Chain. Studies with the Initiator and Internal tRNAMet Species. <i>FEBS Journal</i> , 1978, 89, 187-193.	0.2	15
24	Structure, Organization, and Controlled Expression of the Genes Coding for the Variable and Constant Regions of Mouse Immunoglobulin Light Chains. <i>Immunological Reviews</i> , 1977, 36, 3-28.	2.8	12
25	OPSIN mRNA ISOLATION FROM BOVINE RETINA AND PARTIAL SEQUENCE OF THE IN VITRO TRANSLATION PRODUCT. <i>Annals of the New York Academy of Sciences</i> , 1980, 343, 347-355.	1.8	11
26	Use of a nonenzymic cleavage reaction for the identification of exposed tyrosine residues in bovine pancreatic ribonuclease. <i>Biochemistry</i> , 1972, 11, 2939-2944.	1.2	10
27	Crystal Parameters of an Alcohol Dehydrogenase from the Extreme Thermophile <i>Thermoanaerobium brockii</i> . <i>Journal of Molecular Biology</i> , 1993, 230, 353-355.	2.0	9
28	Anti-viral properties of thymic humoral factor and other thymic hormones. <i>Clinical Immunology Newsletter</i> , 1985, 6, 68-71.	0.1	7
29	A Unique Ascorbate Peroxidase Active Component in the Cyanobacterium <i>Synechococcus</i> PCC 7942 (R2). <i>Free Radical Research Communications</i> , 1992, 17, 1-8.	1.8	6
30	Expression of the gene for the receptor of gonadotropin-releasing hormone in the rat mammary gland. <i>FEBS Letters</i> , 1996, 379, 186-190.	1.3	6
31	SIMILARITIES IN THE STRUCTURE AND FUNCTION OF BOTH THE MATURE FORMS AND BIOSYNTHETIC PRECURSORS OF PLACENTAL LACTOGEN AND GROWTH HORMONE. <i>Annals of the New York Academy of Sciences</i> , 1980, 343, 155-167.	1.8	5
32	Probing structural elements of thermal stability in bacterial oligomeric alcohol dehydrogenases. I. Construction and characterization of chimeras consisting of secondary ADHs from <i>Thermoanaerobacter brockii</i> and <i>Clostridium beijerinckii</i> . <i>International Journal of Peptide Research and Therapeutics</i> , 1998, 5, 399-408.	0.1	5
33	Expression of a recombinant, 4'-Phosphopantetheinylated, active <i>M. tuberculosis</i> fatty acid synthase I in <i>E. coli</i> . <i>PLoS ONE</i> , 2018, 13, e0204457.	1.1	3
34	Title is missing!. <i>International Journal of Peptide Research and Therapeutics</i> , 1998, 5, 399-408.	0.1	0
35	Human recombinant CuZn-superoxide dismutase. <i>International Journal of Peptide and Protein Research</i> , 1991, 37, 122-127.	0.1	0