

Yigal Burstein

List of Publications by Year in descending order

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35
papers

1,092
citations

430874

18
h-index

395702

33
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35
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35
docs citations

35
times ranked

692
citing authors

#	ARTICLE	IF	CITATIONS
1	Expression of a recombinant, 4'-Phosphopantetheinylated, active M. tuberculosis fatty acid synthase I in E. coli. PLoS ONE, 2018, 13, e0204457.	2.5	3
2	Structure-Function Analysis of the Acyl Carrier Protein Synthase (AcpS) from Mycobacterium tuberculosis. Journal of Molecular Biology, 2009, 393, 937-950.	4.2	17
3	Structural basis for the enhanced thermal stability of alcohol dehydrogenase mutants from the mesophilic bacterium Clostridium beijerinckii: contribution of salt bridging. Protein Science, 2009, 11, 2561-2574.	7.6	48
4	Spectroscopic Studies of Inhibited Alcohol Dehydrogenase from Thermoanaerobacter brockii: Proposed Structure for the Catalytic Intermediate State. Biochemistry, 2000, 39, 7702-7711.	2.5	27
5	Oligomeric integrity—the structural key to thermal stability in bacterial alcohol dehydrogenases. Protein Science, 1999, 8, 1241-1249.	7.6	39
6	Title is missing!. International Journal of Peptide Research and Therapeutics, 1998, 5, 399-408.	0.1	0
7	Probing structural elements of thermal stability in bacterial oligomeric alcohol dehydrogenases. I. Construction and characterization of chimeras consisting of secondary ADHs from Thermoanaerobacter brockii and Clostridium beijerinckii. International Journal of Peptide Research and Therapeutics, 1998, 5, 399-408.	0.1	5
8	Enhanced thermal stability of Clostridium beijerinckii alcohol dehydrogenase after strategic substitution of amino acid residues with prolines from the homologous thermophilic Thermoanaerobacter brockii alcohol dehydrogenase. Protein Science, 1998, 7, 1156-1163.	7.6	100
9	Molecular Cloning, Nucleotide Sequencing, and Expression of Genes Encoding Alcohol Dehydrogenases From the Thermophile Thermoanaerobacter brockii and the Mesophile Clostridium beijerinckii. Anaerobe, 1997, 3, 259-270.	2.1	55
10	Thermoanaerobacter brockii alcohol dehydrogenase: Characterization of the active site metal and its ligand amino acids. Protein Science, 1997, 6, 450-458.	7.6	50
11	Cysteine reactivity in Thermoanaerobacter brockii alcohol dehydrogenase. Protein Science, 1997, 6, 1074-1083.	7.6	17
12	Expression of the gene for the receptor of gonadotropin-releasing hormone in the rat mammary gland. FEBS Letters, 1996, 379, 186-190.	2.8	6
13	Crystal Parameters of an Alcohol Dehydrogenase from the Extreme Thermophile Thermoanaerobium brockii. Journal of Molecular Biology, 1993, 230, 353-355.	4.2	9
14	Stereospecificity of hydrogen transfer by the NAD-linked alcohol dehydrogenase from the thermophilic bacterium Thermoanaerobium brockii. International Journal of Peptide and Protein Research, 1993, 42, 490-495.	0.1	23
15	A Unique Ascorbate Peroxidase Active Component in the Cyanobacterium Synechococcus PCC 7942 (R2). Free Radical Research Communications, 1992, 17, 1-8.	1.8	6
16	Identification of cleavage sites involved in proteolytic processing of Pseudomonas aeruginosa preproelastase. FEBS Letters, 1992, 299, 291-293.	2.8	31
17	Human recombinant CuZn-superoxide dismutase. International Journal of Peptide and Protein Research, 1991, 37, 122-127.	0.1	0
18	Comparison of Verticillium dahliae-produced phytotoxic peptides purified from culture fluids and infected potato stems. Physiological and Molecular Plant Pathology, 1989, 35, 253-269.	2.5	18

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19	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. <i>Physiological Plant Pathology</i> , 1985, 26, 43-55.	1.4	44
20	Anti-viral properties of thymic humoral factor and other thymic hormones. <i>Clinical Immunology Newsletter</i> , 1985, 6, 68-71.	0.1	7
21	Isolation and partial purification of a clonidine-displacing endogenous brain substance. <i>FEBS Journal</i> , 1984, 144, 287-293.	0.2	136
22	Isolation of an endogenous clonidine-displacing substance from rat brain. <i>FEBS Letters</i> , 1984, 170, 387-390.	2.8	62
23	Isolation and partial characterization of a phytotoxic glycopeptide from a protein-lipopolysaccharide complex produced by a potato isolate of <i>Verticillium dahliae</i> . <i>FEBS Letters</i> , 1982, 138, 261-264.	2.8	40
24	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.	3.8	5
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.	3.8	11
26	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
27	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. <i>Biochemistry</i> , 1978, 17, 2392-2400.	2.5	84
28	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. <i>Biochemical Journal</i> , 1977, 165, 347-354.	3.7	20
29	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.	6.0	12
30	Selective Sulfenylation of Tryptophan Residues in α -Lactalbumin of Bovine Milk. <i>Journal of Biological Chemistry</i> , 1974, 249, 413-419.	3.4	17
31	Selective reduction of cystine I-VIII in α -lactalbumin of bovine milk. <i>Biochemistry</i> , 1973, 12, 3407-3413.	2.5	77
32	Selective chemical cleavage of tryptophanyl peptide bonds in peptides and proteins. <i>Biochemistry</i> , 1972, 11, 4641-4650.	2.5	34
33	Use of a nonenzymic cleavage reaction for the identification of exposed tyrosine residues in bovine pancreatic ribonuclease. <i>Biochemistry</i> , 1972, 11, 2939-2944.	2.5	10
34	Sulfenylation of tryptophan-62 in hen egg-white lysozyme. <i>Biochemistry</i> , 1972, 11, 653-660.	2.5	43
35	Synthesis and polymerization of N-carboxyanhydrides of N-benzyl- α -amino acids. <i>Biopolymers</i> , 1964, 2, 147-161.	2.4	21