

Lars-Göran Mårtensson

List of Publications by Year in descending order

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papers

656
citations

623734

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times ranked

836
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#	ARTICLE	IF	CITATIONS
1	Comparison of Electron Paramagnetic Resonance Methods to Determine Distances between Spin Labels on Human Carbonic Anhydrase II. <i>Biophysical Journal</i> , 2001, 80, 2886-2897.	0.5	74
2	Adsorption of Human Carbonic Anhydrase II Variants to Silica Nanoparticles Occur Stepwise: A Binding Is Followed by Successive Conformational Changes to a Molten-Globule-like State. <i>Langmuir</i> , 2000, 16, 8470-8479.	3.5	61
3	Cis-trans isomerization is rate-determining in the reactivation of denatured human carbonic anhydrase II as evidenced by proline isomerase. <i>FEBS Letters</i> , 1992, 296, 90-94.	2.8	57
4	Structural Mapping of an Aggregation Nucleation Site in a Molten Globule Intermediate. <i>Journal of Biological Chemistry</i> , 1999, 274, 32897-32903.	3.4	52
5	Robust and convenient analysis of protein thermal and chemical stability. <i>Protein Science</i> , 2015, 24, 2055-2062.	7.6	51
6	Dramatic Stabilization of the Native State of Human Carbonic Anhydrase II by an Engineered Disulfide Bond. <i>Biochemistry</i> , 2002, 41, 15867-15875.	2.5	41
7	Folding around the C-terminus of human carbonic anhydrase II Kinetic characterization by use of a chemically reactive SH-group introduced by protein engineering. <i>FEBS Letters</i> , 1991, 289, 117-122.	2.8	36
8	High-Resolution Probing of Local Conformational Changes in Proteins by the Use of Multiple Labeling: Unfolding and Self-Assembly of Human Carbonic Anhydrase II Monitored by Spin, Fluorescent, and Chemical Reactivity Probes. <i>Biophysical Journal</i> , 2001, 80, 2867-2885.	0.5	35
9	Critical biophysical properties in the <i>Pseudomonas aeruginosa</i> efflux gene regulator MexR are targeted by mutations conferring multidrug resistance. <i>Protein Science</i> , 2010, 19, 680-692.	7.6	32
10	Role of an evolutionarily invariant serine for the stability of human carbonic anhydrase II. <i>BBA - Proteins and Proteomics</i> , 1992, 1118, 179-186.	2.1	29
11	Redesign of human carbonic anhydrase II for increased esterase activity and specificity towards esters with long acyl chains. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2006, 1764, 1601-1606.	2.3	25
12	Characterization of a novel sequence variant, TPMT*28, in the human thiopurine methyltransferase gene. <i>Pharmacogenetics and Genomics</i> , 2010, 20, 700-707.	1.5	25
13	Methotrexate binds to recombinant thiopurine S-methyltransferase and inhibits enzyme activity after high-dose infusions in childhood leukaemia. <i>European Journal of Clinical Pharmacology</i> , 2013, 69, 1641-1649.	1.9	21
14	One amino acid makes a difference – Characterization of a new TPMT allele and the influence of SAM on TPMT stability. <i>Scientific Reports</i> , 2017, 7, 46428.	3.3	16
15	Subtle Differences in Dissociation Rates of Interactions between Destabilized Human Carbonic Anhydrase II Mutants and Immobilized Benzenesulfonamide Inhibitors Probed by a Surface Plasmon Resonance Biosensor. <i>Analytical Biochemistry</i> , 2001, 296, 188-196.	2.4	15
16	A test of proposed rules for helix capping: Implications for protein design. <i>Protein Science</i> , 2009, 11, 516-521.	7.6	13
17	Methylation of selenocysteine catalysed by thiopurine S-methyltransferase. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2019, 1863, 182-190.	2.4	13
18	Denaturant-Assisted Formation of a Stabilizing Disulfide Bridge from Engineered Cysteines in Nonideal Conformations. <i>Biochemistry</i> , 2005, 44, 3487-3493.	2.5	12

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19	Comprehensive study of thiopurine methyltransferase genotype, phenotype, and genotype-phenotype discrepancies in Sweden. <i>Biochemical Pharmacology</i> , 2019, 164, 263-272.	4.4	11
20	Circumnavigating Misfolding Traps in the Energy Landscape through Protein Engineering: Å Suppression of Molten Globule and Aggregation in Carbonic Anhydraseâ€. <i>Biochemistry</i> , 2004, 43, 6803-6807.	2.5	10
21	Pharmacogenetic studies of thiopurine methyltransferase genotypeâ€phenotype concordance and effect of methotrexate on thiopurine metabolism. <i>Basic and Clinical Pharmacology and Toxicology</i> , 2021, 128, 52-65.	2.5	8
22	Thermodynamic Interrogation of a Folding Disease. Mutant Mapping of Position 107 in Human Carbonic Anhydrase II Linked to Marble Brain Disease. <i>Biochemistry</i> , 2008, 47, 1288-1298.	2.5	7
23	Structural Characteristics Determine the Cause of the Low Enzyme Activity of Two Thiopurine <i>S</i> -Methyltransferase Allelic Variants: A Biophysical Characterization of TPMT*2 and TPMT*5. <i>Biochemistry</i> , 2012, 51, 5912-5920.	2.5	7
24	In Vitro Protein Stability of Two Naturally Occurring Thiopurine <i>S</i> -Methyltransferase Variants: Biophysical Characterization of TPMT*6 and TPMT*8. <i>ACS Omega</i> , 2017, 2, 4991-4999.	3.5	5