

Christos S Karamitros

List of Publications by Year in descending order

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Version: 2024-02-01

19
papers

491
citations

933447

10
h-index

940533

16
g-index

19
all docs

19
docs citations

19
times ranked

993
citing authors

#	ARTICLE	IF	CITATIONS
1	Leveraging intrinsic flexibility to engineer enhanced enzyme catalytic activity. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, .	7.1	14
2	Engineering of the Recombinant Expression and PEGylation Efficiency of the Therapeutic Enzyme Human Thymidine Phosphorylase. Frontiers in Bioengineering and Biotechnology, 2021, 9, 793985.	4.1	1
3	Bacterial Expression Systems for Enzymatic Activity in Droplet-Based Microfluidics. Analytical Chemistry, 2020, 92, 4908-4916.	6.5	23
4	Computer-aided engineering of thermostabilized antibody fragments. AIChE Journal, 2020, 66, e16864.	3.6	12
5	Conformational Dynamics Contribute to Substrate Selectivity and Catalysis in Human Kynureninase. ACS Chemical Biology, 2020, 15, 3159-3166.	3.4	6
6	Reversal of indoleamine 2,3-dioxygenase-mediated cancer immune suppression by systemic kynurenine depletion with a therapeutic enzyme. Nature Biotechnology, 2018, 36, 758-764.	17.5	201
7	Dynamics of Kynureninase Orthologs during Catalysis. FASEB Journal, 2018, 32, 527.13.	0.5	0
8	Abstract 3757: Targeting the IDO/TDO pathway through degradation of the immunosuppressive metabolite kynurenine. , 2018, , .		1
9	Preserving enzymatic activity and enhancing biochemical stability of glutathione transferase by soluble additives under free and tethered conditions. Biotechnology and Applied Biochemistry, 2017, 64, 754-764.	3.1	7
10	Abstract 5570: A novel approach to targeting the IDO/TDO pathway through degradation of the immunosuppressive metabolite kynurenine. Cancer Research, 2017, 77, 5570-5570.	0.9	6
11	Droplet-Based Microfluidics for Measuring Enzymatic Activities: Application to L-Asparaginase used in Antileukemic Therapy. Biophysical Journal, 2016, 110, 548a-549a.	0.5	0
12	Fluorescence-Activated Cell Sorting of Human L-asparaginase Mutant Libraries for Detecting Enzyme Variants with Enhanced Activity. ACS Chemical Biology, 2016, 11, 2596-2607.	3.4	20
13	Bacterial co-expression of the $\hat{1}$ and $\hat{2}$ promoters of human L-asparaginase-3: Achieving essential N-terminal exposure of a catalytically critical threonine located in the $\hat{2}$ -subunit. Protein Expression and Purification, 2014, 93, 1-10.	1.3	8
14	An Amplex Red-based fluorometric and spectrophotometric assay for L-asparaginase using its natural substrate. Analytical Biochemistry, 2014, 445, 20-23.	2.4	22
15	Extracellular expression and affinity purification of L-asparaginase from E. chrysanthemi in E. coli. Sustainable Chemical Processes, 2014, 2, .	2.3	6
16	Human 60-kDa Lysophospholipase Contains an N-terminal L-Asparaginase Domain That Is Allosterically Regulated by L-Asparagine. Journal of Biological Chemistry, 2014, 289, 12962-12975.	3.4	34
17	Free Glycine Accelerates the Autoproteolytic Activation of Human Asparaginase. Chemistry and Biology, 2013, 20, 533-540.	6.0	28
18	Preserving Catalytic Activity and Enhancing Biochemical Stability of the Therapeutic Enzyme Asparaginase by Biocompatible Multilayered Polyelectrolyte Microcapsules. Biomacromolecules, 2013, 14, 4398-4406.	5.4	74

#	ARTICLE	IF	CITATIONS
19	Ultra-high throughput detection of single cell β -galactosidase activity in droplets using micro-optical lens array. Applied Physics Letters, 2013, 103, 203704.	3.3	28