

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	Reversal of indoleamine 2,3-dioxygenase-mediated cancer immune suppression by systemic kynurenine depletion with a therapeutic enzyme. <i>Nature Biotechnology</i> , 2018, 36, 758-764.	17.5	201
2	Preserving Catalytic Activity and Enhancing Biochemical Stability of the Therapeutic Enzyme Asparaginase by Biocompatible Multilayered Polyelectrolyte Microcapsules. <i>Biomacromolecules</i> , 2013, 14, 4398-4406.	5.4	74
3	Human 60-kDa Lysophospholipase Contains an N-terminal L-Asparaginase Domain That Is Allosterically Regulated by L-Asparagine. <i>Journal of Biological Chemistry</i> , 2014, 289, 12962-12975.	3.4	34
4	Free Glycine Accelerates the Autoproteolytic Activation of Human Asparaginase. <i>Chemistry and Biology</i> , 2013, 20, 533-540.	6.0	28
5	Ultra-high throughput detection of single cell <i>l</i> -galactosidase activity in droplets using micro-optical lens array. <i>Applied Physics Letters</i> , 2013, 103, 203704.	3.3	28
6	Bacterial Expression Systems for Enzymatic Activity in Droplet-Based Microfluidics. <i>Analytical Chemistry</i> , 2020, 92, 4908-4916.	6.5	23
7	An Amplex Red-based fluorometric and spectrophotometric assay for L-asparaginase using its natural substrate. <i>Analytical Biochemistry</i> , 2014, 445, 20-23.	2.4	22
8	Fluorescence-Activated Cell Sorting of Human <i>l</i> -asparaginase Mutant Libraries for Detecting Enzyme Variants with Enhanced Activity. <i>ACS Chemical Biology</i> , 2016, 11, 2596-2607.	3.4	20
9	Leveraging intrinsic flexibility to engineer enhanced enzyme catalytic activity. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, .	7.1	14
10	Computer-based engineering of thermostabilized antibody fragments. <i>AIChE Journal</i> , 2020, 66, e16864.	3.6	12
11	Bacterial co-expression of the $\hat{1}$ and $\hat{2}$ protomers of human <i>l</i> -asparaginase-3: Achieving essential N-terminal exposure of a catalytically critical threonine located in the $\hat{2}$ -subunit. <i>Protein Expression and Purification</i> , 2014, 93, 1-10.	1.3	8
12	Preserving enzymatic activity and enhancing biochemical stability of glutathione transferase by soluble additives under free and tethered conditions. <i>Biotechnology and Applied Biochemistry</i> , 2017, 64, 754-764.	3.1	7
13	Extracellular expression and affinity purification of L-asparaginase from <i>E. chrysanthemi</i> in <i>E. coli</i> . <i>Sustainable Chemical Processes</i> , 2014, 2, .	2.3	6
14	Conformational Dynamics Contribute to Substrate Selectivity and Catalysis in Human Kynureninase. <i>ACS Chemical Biology</i> , 2020, 15, 3159-3166.	3.4	6
15	Abstract 5570: A novel approach to targeting the IDO/TDO pathway through degradation of the immunosuppressive metabolite kynurenine. <i>Cancer Research</i> , 2017, 77, 5570-5570.	0.9	6
16	Abstract 3757: Targeting the IDO/TDO pathway through degradation of the immunosuppressive metabolite kynurenine. , 2018, , .		1
17	Engineering of the Recombinant Expression and PEGylation Efficiency of the Therapeutic Enzyme Human Thymidine Phosphorylase. <i>Frontiers in Bioengineering and Biotechnology</i> , 2021, 9, 793985.	4.1	1
18	Droplet-Based Microfluidics for Measuring Enzymatic Activities: Application to L-Asparaginase used in Antileukemic Therapy. <i>Biophysical Journal</i> , 2016, 110, 548a-549a.	0.5	0

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19	Dynamics of Kynureninase Orthologs during Catalysis. FASEB Journal, 2018, 32, 527.13.	0.5	0