

Eric Chabrière

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4899351/publications.pdf>

Version: 2024-02-01

47
papers

2,437
citations

201674

27
h-index

206112

48
g-index

49
all docs

49
docs citations

49
times ranked

2300
citing authors

#	ARTICLE	IF	CITATIONS
1	Enzyme Nanoreactor for <i>In Vivo</i> Detoxification of Organophosphates. ACS Applied Materials & Interfaces, 2022, , .	8.0	9
2	Applying molecular and phenotypic screening assays to identify efficient quorum quenching lactonases. Enzyme and Microbial Technology, 2022, 160, 110092.	3.2	5
3	Organophosphorus poisoning in animals and enzymatic antidotes. Environmental Science and Pollution Research, 2021, 28, 25081-25106.	5.3	17
4	Disrupting quorum sensing alters social interactions in <i>Chromobacterium violaceum</i> . Npj Biofilms and Microbiomes, 2021, 7, 40.	6.4	30
5	Enzymatic Decontamination of G-Type, V-Type and Novichok Nerve Agents. International Journal of Molecular Sciences, 2021, 22, 8152.	4.1	20
6	Engineering acyl-homoserine lactone-interfering enzymes toward bacterial control. Journal of Biological Chemistry, 2020, 295, 12993-13007.	3.4	42
7	Lactonase Specificity Is Key to Quorum Quenching in <i>Pseudomonas aeruginosa</i> . Frontiers in Microbiology, 2020, 11, 762.	3.5	35
8	Steady-State Kinetics of Enzyme-Catalyzed Hydrolysis of Echothiophate, a P=S Bonded Organophosphorus as Monitored by Spectrofluorimetry. Molecules, 2020, 25, 1371.	3.8	7
9	Enzymatic decontamination of paraoxon-ethyl limits long-term effects in planarians. Scientific Reports, 2020, 10, 3843.	3.3	3
10	Lactonase SsoPox modulates CRISPR-Cas expression in gram-negative proteobacteria using AHL-based quorum sensing systems. Research in Microbiology, 2019, 170, 296-299.	2.1	16
11	Quorum Quenching Lactonase Strengthens Bacteriophage and Antibiotic Arsenal Against <i>Pseudomonas aeruginosa</i> Clinical Isolates. Frontiers in Microbiology, 2019, 10, 2049.	3.5	41
12	Evaluation of a robust engineered enzyme towards organophosphorus insecticide bioremediation using planarians as biosensors. Chemico-Biological Interactions, 2019, 306, 96-103.	4.0	9
13	Structural and Biochemical Characterization of AaL, a Quorum Quenching Lactonase with Unusual Kinetic Properties. Scientific Reports, 2018, 8, 11262.	3.3	38
14	Interference in Bacterial Quorum Sensing: A Biopharmaceutical Perspective. Frontiers in Pharmacology, 2018, 9, 203.	3.5	230
15	Biotechnological applications of quorum quenching enzymes. Chemico-Biological Interactions, 2017, 267, 104-115.	4.0	138
16	New Approaches to Prevent Healthcare-Associated Infection. Clinical Infectious Diseases, 2017, 65, S50-S54.	5.8	25
17	Rational engineering of a native hyperthermostable lactonase into a broad spectrum phosphotriesterase. Scientific Reports, 2017, 7, 16745.	3.3	39
18	Enzymatic degradation of organophosphorus insecticides decreases toxicity in planarians and enhances survival. Scientific Reports, 2017, 7, 15194.	3.3	34

#	ARTICLE	IF	CITATIONS
19	Effect of Quorum Quenching Lactonase in Clinical Isolates of <i>Pseudomonas aeruginosa</i> and Comparison with Quorum Sensing Inhibitors. <i>Frontiers in Microbiology</i> , 2017, 08, 227.	3.5	120
20	Malaria: Massive open online courses MOOC. <i>Travel Medicine and Infectious Disease</i> , 2016, 14, 636.	3.0	4
21	Harnessing hyperthermostable lactonase from <i>Sulfolobus solfataricus</i> for biotechnological applications. <i>Scientific Reports</i> , 2016, 6, 37780.	3.3	38
22	Current and emerging strategies for organophosphate decontamination: special focus on hyperstable enzymes. <i>Environmental Science and Pollution Research</i> , 2016, 23, 8200-8218.	5.3	72
23	Crystal structure of VmoLac, a tentative quorum quenching lactonase from the extremophilic crenarchaeon <i>Vulcanisaeta moutnovskia</i> . <i>Scientific Reports</i> , 2015, 5, 8372.	3.3	44
24	Surface plasmon resonance imaging of pathogens: the <i>Yersinia pestis</i> paradigm. <i>BMC Research Notes</i> , 2015, 8, 259.	1.4	6
25	Inhaled Lactonase Reduces <i>Pseudomonas aeruginosa</i> Quorum Sensing and Mortality in Rat Pneumonia. <i>PLoS ONE</i> , 2014, 9, e107125.	2.5	97
26	Sac Pox from the thermoacidophilic crenarchaeon <i>Sulfolobus acidocaldarius</i> is a proficient lactonase. <i>BMC Research Notes</i> , 2014, 7, 333.	1.4	25
27	Ancestral mutations as a tool for solubilizing proteins: The case of a hydrophobic phosphate-binding protein. <i>FEBS Open Bio</i> , 2014, 4, 121-127.	2.3	13
28	Crystallization and preliminary X-ray diffraction analysis of the lactonase VmoLac from <i>Vulcanisaeta moutnovskia</i> . <i>Acta Crystallographica Section F: Structural Biology Communications</i> , 2013, 69, 1235-1238.	0.7	15
29	Crystallization and preliminary X-ray diffraction analysis of the organophosphorus hydrolase OPHC2 from <i>Pseudomonas pseudoalcaligenes</i> . <i>Acta Crystallographica Section F: Structural Biology Communications</i> , 2013, 69, 73-76.	0.7	13
30	Structural and Enzymatic Characterization of the Phosphotriesterase OPHC2 from <i>Pseudomonas pseudoalcaligenes</i> . <i>PLoS ONE</i> , 2013, 8, e77995.	2.5	50
31	DING Proteins from Phylogenetically Different Species Share High Degrees of Sequence and Structure Homology and Block Transcription of HIV-1 LTR Promoter. <i>PLoS ONE</i> , 2013, 8, e69623.	2.5	10
32	Differential Active Site Loop Conformations Mediate Promiscuous Activities in the Lactonase SsoPox. <i>PLoS ONE</i> , 2013, 8, e75272.	2.5	89
33	Characterisation of the organophosphate hydrolase catalytic activity of SsoPox. <i>Scientific Reports</i> , 2012, 2, 779.	3.3	82
34	The molecular basis of phosphate discrimination in arsenate-rich environments. <i>Nature</i> , 2012, 491, 134-137.	27.8	209
35	Structural and Enzymatic characterization of the lactonase SisLac from <i>Sulfolobus islandicus</i> . <i>PLoS ONE</i> , 2012, 7, e47028.	2.5	70
36	Human-Phosphate-Binding-Protein inhibits HIV-1 gene transcription and replication. <i>Virology Journal</i> , 2011, 8, 352.	3.4	18

#	ARTICLE	IF	CITATIONS
37	The DING family of proteins: ubiquitous in eukaryotes, but where are the genes?. <i>BioEssays</i> , 2009, 31, 570-580.	2.5	31
38	Structural determinants of the high thermal stability of SsoPox from the hyperthermophilic archaeon <i>Sulfolobus solfataricus</i> . <i>Extremophiles</i> , 2009, 13, 461-470.	2.3	60
39	Elucidation of the Phosphate Binding Mode of DING Proteins Revealed by Subangstrom X-ray Crystallography. <i>Journal of the American Chemical Society</i> , 2009, 131, 7879-7886.	13.7	50
40	Tandem use of X-ray crystallography and mass spectrometry to obtain ab initio the complete and exact amino acids sequence of HPBP, a human 38 kDa apolipoprotein. <i>Proteins: Structure, Function and Bioinformatics</i> , 2008, 71, 1708-1720.	2.6	36
41	Structural Basis for Natural Lactonase and Promiscuous Phosphotriesterase Activities. <i>Journal of Molecular Biology</i> , 2008, 379, 1017-1028.	4.2	159
42	Structure-function relationships in a bacterial DING protein. <i>FEBS Letters</i> , 2007, 581, 3455-3460.	2.8	29
43	Human paraoxonase: A promising approach for pre-treatment and therapy of organophosphorus poisoning. <i>Toxicology</i> , 2007, 233, 47-59.	4.2	137
44	Crystallization and preliminary X-ray diffraction analysis of the hyperthermophilic <i>Sulfolobus solfataricus</i> phosphotriesterase. <i>Acta Crystallographica Section F: Structural Biology Communications</i> , 2007, 63, 553-555.	0.7	19
45	Crystallization, diffraction data collection and preliminary crystallographic analysis of DING protein from <i>Pseudomonas fluorescens</i> . <i>Acta Crystallographica Section F: Structural Biology Communications</i> , 2007, 63, 590-592.	0.7	17
46	Tandem purification of two HDL-associated partner proteins in human plasma, paraoxonase (PON1) and phosphate binding protein (HPBP) using hydroxyapatite chromatography. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2006, 836, 15-21.	2.3	93
47	Serendipitous Discovery and X-Ray Structure of a Human Phosphate Binding Apolipoprotein. <i>Structure</i> , 2006, 14, 601-609.	3.3	79