

Antonio Sanchez-Amat

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1723935/publications.pdf>

Version: 2024-02-01

55
papers

2,058
citations

218677

26
h-index

243625

44
g-index

59
all docs

59
docs citations

59
times ranked

1975
citing authors

#	ARTICLE	IF	CITATIONS
1	Direct CRISPR spacer acquisition from RNA by a natural reverse transcriptase-Cas1 fusion protein. <i>Science</i> , 2016, 351, aad4234.	12.6	170
2	Hydrogen Peroxide Linked to Lysine Oxidase Activity Facilitates Biofilm Differentiation and Dispersal in Several Gram-Negative Bacteria. <i>Journal of Bacteriology</i> , 2008, 190, 5493-5501.	2.2	119
3	A Pluripotent Polyphenol Oxidase from the Melanogenic Marine <i>Alteromonas</i> sp. Shares Catalytic Capabilities of Tyrosinases and Laccases. <i>Biochemical and Biophysical Research Communications</i> , 1997, 240, 787-792.	2.1	97
4	Dimethoxyphenol oxidase activity of different microbial blue multicopper proteins. <i>FEMS Microbiology Letters</i> , 2001, 204, 175-181.	1.8	95
5	Molecular cloning and functional characterization of a unique multipotent polyphenol oxidase from <i>Marinomonas mediterranea</i> . <i>BBA - Proteins and Proteomics</i> , 2001, 1547, 104-116.	2.1	95
6	A tyrosinase with an abnormally high tyrosine hydroxylase/dopa oxidase ratio. <i>FEBS Journal</i> , 2006, 273, 257-270.	4.7	85
7	Type III CRISPR-Cas systems can provide redundancy to counteract viral escape from type I systems. <i>eLife</i> , 2017, 6, .	6.0	81
8	Taxonomic study of <i>Marinomonas</i> strains isolated from the seagrass <i>Posidonia oceanica</i> , with descriptions of <i>Marinomonas balearica</i> sp. nov. and <i>Marinomonas pollencensis</i> sp. nov.. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2010, 60, 93-98.	1.7	68
9	Alkali and halide-resistant catalysis by the multipotent oxidase from <i>Marinomonas mediterranea</i> . <i>Journal of Biotechnology</i> , 2005, 117, 73-82.	3.8	63
10	Note: Studies on the phylogenetic relationships of melanogenic marine bacteria: Proposal of <i>Marinomonas mediterranea</i> sp. nov.. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 1999, 49, 1241-1246.	1.7	62
11	The Antimicrobial Activity of Marinocine, Synthesized by <i>Marinomonas mediterranea</i> , Is Due to Hydrogen Peroxide Generated by Its Lysine Oxidase Activity. <i>Journal of Bacteriology</i> , 2006, 188, 2493-2501.	2.2	60
12	A novel type of lysine oxidase: L-lysine- β -oxidase. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2006, 1764, 1577-1585.	2.3	55
13	Comparison of different microbial laccases as tools for industrial uses. <i>New Biotechnology</i> , 2016, 33, 387-398.	4.4	55
14	<i>Marinomonas mediterranea</i> MMB-1 Transposon Mutagenesis: Isolation of a Multipotent Polyphenol Oxidase Mutant. <i>Journal of Bacteriology</i> , 2000, 182, 3754-3760.	2.2	53
15	Purification and partial characterization of marinocine, a new broad-spectrum antibacterial protein produced by <i>Marinomonas mediterranea</i> . <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2005, 1721, 193-203.	2.4	51
16	Characterization of the Melanogenic System in <i>Vibrio cholerae</i> , ATCC 14035. <i>Pigment Cell & Melanoma Research</i> , 1995, 8, 147-152.	3.6	49
17	Polyphenol Oxidase Activity Expression in <i>Ralstonia solanacearum</i> . <i>Applied and Environmental Microbiology</i> , 2005, 71, 6808-6815.	3.1	47
18	Identification of an operon involved in tyrosinase activity and melanin synthesis in <i>Marinomonas mediterranea</i> . <i>Gene</i> , 2004, 342, 179-187.	2.2	46

#	ARTICLE	IF	CITATIONS
19	Cloning and Molecular Characterization of a SDS-Activated Tyrosinase from <i>Marinomonas mediterranea</i> . <i>Pigment Cell & Melanoma Research</i> , 2002, 15, 104-111.	3.6	45
20	The macromolecule with antimicrobial activity synthesized by <i>Pseudoalteromonas luteoviolacea</i> strains is an l-amino acid oxidase. <i>Applied Microbiology and Biotechnology</i> , 2008, 79, 925-930.	3.6	45
21	<i>Marinomonas alcarazii</i> sp. nov., <i>M. rhizomae</i> sp. nov., <i>M. foliarum</i> sp. nov., <i>M. posidonica</i> sp. nov. and <i>M. aquiplantarum</i> sp. nov., isolated from the microbiota of the seagrass <i>Posidonia oceanica</i> . <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2011, 61, 2191-2196.	1.7	43
22	Location and Catalytic Characteristics of a Multipotent Bacterial Polyphenol Oxidase. <i>Pigment Cell & Melanoma Research</i> , 1999, 12, 331-339.	3.6	35
23	Involvement of a novel copper chaperone in tyrosinase activity and melanin synthesis in <i>Marinomonas mediterranea</i> . <i>Microbiology (United Kingdom)</i> , 2007, 153, 2241-2249.	1.8	35
24	Effects of epibiotic bacteria on leaf growth and epiphytes of the seagrass <i>Posidonia oceanica</i> . <i>Marine Ecology - Progress Series</i> , 2012, 456, 21-27.	1.9	29
25	Distribution in microbial genomes of genes similar to <i>lodA</i> and <i>goxA</i> which encode a novel family of quinoproteins with amino acid oxidase activity. <i>BMC Genomics</i> , 2015, 16, 231.	2.8	29
26	The protein encoded by the <i>Shewanella colwelliana</i> <i>melA</i> gene is a p-hydroxyphenylpyruvate dioxygenase. <i>FEMS Microbiology Letters</i> , 1994, 124, 179-184.	1.8	28
27	Comparative tyrosine degradation in <i>Vibrio cholerae</i> strains. The strain ATCC 14035 as a prokaryotic melanogenic model of homogentisate-releasing cell. <i>Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology</i> , 1998, 119, 557-562.	1.6	27
28	Finding New Enzymes from Bacterial Physiology: A Successful Approach Illustrated by the Detection of Novel Oxidases in <i>Marinomonas mediterranea</i> . <i>Marine Drugs</i> , 2010, 8, 519-541.	4.6	27
29	Both genes in the <i>Marinomonas mediterranea</i> <i>lodAB</i> operon are required for the expression of the antimicrobial protein lysine oxidase. <i>Molecular Microbiology</i> , 2010, 75, 462-473.	2.5	26
30	Identification in <i>Marinomonas mediterranea</i> of a novel quinoprotein with glycine oxidase activity. <i>MicrobiologyOpen</i> , 2013, 2, 684-694.	3.0	26
31	A Reverse Transcriptase-Cas1 Fusion Protein Contains a Cas6 Domain Required for Both CRISPR RNA Biogenesis and RNA Spacer Acquisition. <i>Molecular Cell</i> , 2018, 72, 700-714.e8.	9.7	25
32	Regulation of polyphenol oxidase activities and melanin synthesis in <i>Marinomonas mediterranea</i> : identification of <i>ppoS</i> , a gene encoding a sensor histidine kinase. The GenBank accession number for the sequence reported in this paper is AF398464. <i>Microbiology (United Kingdom)</i> , 2002, 148, 2457-2466.	1.8	23
33	Complete genome sequence of the melanogenic marine bacterium <i>Marinomonas mediterranea</i> type strain (MMB-1T). <i>Standards in Genomic Sciences</i> , 2012, 6, 63-73.	1.5	21
34	Distribution in Different Organisms of Amino Acid Oxidases with FAD or a Quinone As Cofactor and Their Role as Antimicrobial Proteins in Marine Bacteria. <i>Marine Drugs</i> , 2015, 13, 7403-7418.	4.6	21
35	<i>Marinomonas mediterranea</i> is a lysogenic bacterium that synthesizes R-bodies. <i>Microbiology (United Kingdom)</i> 10.1093/mic/dgk111	1.8	20
36	Characterization of recombinant biosynthetic precursors of the cysteine tryptophylquinone cofactors of l-lysine-epsilon-oxidase and glycine oxidase from <i>Marinomonas mediterranea</i> . <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2015, 1854, 1123-1131.	2.3	20

#	ARTICLE	IF	CITATIONS
37	LodB is required for the recombinant synthesis of the quinoprotein L-lysine- β -oxidase from <i>Marinomonas mediterranea</i> . <i>Applied Microbiology and Biotechnology</i> , 2014, 98, 2981-2989.	3.6	19
38	Molecular cloning of a copper-dependent laccase from the dye-decolorizing strain <i>Stenotrophomonas maltophilia</i> AAP56. <i>Journal of Applied Microbiology</i> , 2011, 111, 1394-1405.	3.1	18
39	Structure and Enzymatic Properties of an Unusual Cysteine Tryptophylquinone-Dependent Glycine Oxidase from <i>Pseudoalteromonas luteoviolacea</i> . <i>Biochemistry</i> , 2018, 57, 1155-1165.	2.5	18
40	Roles of active site residues in LodA, a cysteine tryptophylquinone dependent β -lysine oxidase. <i>Archives of Biochemistry and Biophysics</i> , 2015, 579, 26-32.	3.0	17
41	Regulation of the <i>Marinomonas mediterranea</i> Antimicrobial Protein Lysine Oxidase by β -Lysine and the Sensor Histidine Kinase PpoS. <i>Applied and Environmental Microbiology</i> , 2010, 76, 6141-6149.	3.1	16
42	Different recombinant forms of polyphenol oxidase A, a laccase from <i>Marinomonas mediterranea</i> . <i>Protein Expression and Purification</i> , 2016, 123, 60-69.	1.3	15
43	Steady-state kinetic mechanism of LodA, a novel cysteine tryptophylquinone-dependent oxidase. <i>FEBS Letters</i> , 2014, 588, 752-756.	2.8	12
44	Complete genome sequence of <i>Marinomonas posidonica</i> type strain (IVIA-Po-181T). <i>Standards in Genomic Sciences</i> , 2012, 7, 31-43.	1.5	10
45	Interaction of GoxA with Its Modifying Enzyme and Its Subunit Assembly Are Dependent on the Extent of Cysteine Tryptophylquinone Biosynthesis. <i>Biochemistry</i> , 2016, 55, 2305-2308.	2.5	10
46	The <i>Pseudoalteromonas luteoviolacea</i> L-amino Acid Oxidase with Antimicrobial Activity Is a Flavoenzyme. <i>Marine Drugs</i> , 2018, 16, 499.	4.6	9
47	Roles of Copper and a Conserved Aspartic Acid in the Autocatalytic Hydroxylation of a Specific Tryptophan Residue during Cysteine Tryptophylquinone Biogenesis. <i>Biochemistry</i> , 2017, 56, 997-1004.	2.5	7
48	A Small RNA Isolation and Sequencing Protocol and Its Application to Assay CRISPR RNA Biogenesis in Bacteria. <i>Bio-protocol</i> , 2018, 8, .	0.4	5
49	Dimethoxyphenol oxidase activity of different microbial blue multicopper proteins. <i>FEMS Microbiology Letters</i> , 2001, 204, 175-181.	1.8	5
50	A histidine kinase and a response regulator provide phage resistance to <i>Marinomonas mediterranea</i> via CRISPR-Cas regulation. <i>Scientific Reports</i> , 2021, 11, 20564.	3.3	5
51	Characterization of PlGoxB, a flavoprotein required for cysteine tryptophylquinone biosynthesis in glycine oxidase from <i>Pseudoalteromonas luteoviolacea</i> . <i>Archives of Biochemistry and Biophysics</i> , 2019, 674, 108110.	3.0	3
52	Bacterial Laccases: Some Recent Advances and Applications. <i>Microbiology Monographs</i> , 2020, , 27-55.	0.6	2
53	The protein encoded by the <i>Shewanella colwelliana</i> melA gene is a p-hydroxyphenylpyruvate dioxygenase. <i>FEMS Microbiology Letters</i> , 1994, 124, 179-184.	1.8	2
54	R-bodies. , 2006, , 331-341.		2

#	ARTICLE	IF	CITATIONS
55	Isolation of Phages Infecting <i>Marinomonas mediterranea</i> by an Enrichment Protocol. Bio-protocol, 2018, 8, .	0.4	1