

Sergio G Bartual

List of Publications by Year in descending order

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Version: 2024-02-01

23
papers

2,183
citations

471509

17
h-index

610901

24
g-index

24
all docs

24
docs citations

24
times ranked

4636
citing authors

#	ARTICLE	IF	CITATIONS
1	Development of a Multilocus Sequence Typing Scheme for Characterization of Clinical Isolates of <i>Acinetobacter baumannii</i> . <i>Journal of Clinical Microbiology</i> , 2005, 43, 4382-4390.	3.9	595
2	Comparison of prokaryotic diversity at offshore oceanic locations reveals a different microbiota in the Mediterranean Sea. <i>FEMS Microbiology Ecology</i> , 2006, 56, 389-405.	2.7	580
3	Structure of the bacteriophage T4 long tail fiber receptor-binding tip. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 20287-20292.	7.1	159
4	Molecular architecture of <i>Streptococcus pneumoniae</i> surface thioredoxin-fold lipoproteins crucial for extracellular oxidative stress resistance and maintenance of virulence. <i>EMBO Molecular Medicine</i> , 2013, 5, 1852-1870.	6.9	99
5	Pneumococcal surface proteins: when the whole is greater than the sum of its parts. <i>Molecular Oral Microbiology</i> , 2012, 27, 221-245.	2.7	92
6	Structural basis of PcsB-mediated cell separation in <i>Streptococcus pneumoniae</i> . <i>Nature Communications</i> , 2014, 5, 3842.	12.8	82
7	Genetic analysis of housekeeping genes reveals a deep-sea ecotype of <i>Alteromonas macleodii</i> in the Mediterranean Sea. <i>Environmental Microbiology</i> , 2005, 7, 649-659.	3.8	70
8	Diversity of halophilic archaea in the crystallizers of an Adriatic solar saltern. <i>FEMS Microbiology Ecology</i> , 2005, 54, 491-498.	2.7	67
9	Molecular epidemiology of clinical <i>Acinetobacter baumannii</i> and <i>Acinetobacter</i> genomic species 13TU isolates using a multilocus sequencing typing scheme. <i>Clinical Microbiology and Infection</i> , 2008, 14, 708-715.	6.0	60
10	Structure-Based Design of Tetrahydroisoquinoline-7-carboxamides as Selective Discoidin Domain Receptor 1 (DDR1) Inhibitors. <i>Journal of Medicinal Chemistry</i> , 2016, 59, 5911-5916.	6.4	51
11	Genetic recoding to dissect the roles of site-specific protein O-GlcNAcylation. <i>Nature Structural and Molecular Biology</i> , 2019, 26, 1071-1077.	8.2	50
12	Two-chaperone assisted soluble expression and purification of the bacteriophage T4 long tail fibre protein gp37. <i>Protein Expression and Purification</i> , 2010, 70, 116-121.	1.3	43
13	Structure and Cell Wall Cleavage by Modular Lytic Transglycosylase MltC of <i>Escherichia coli</i> . <i>ACS Chemical Biology</i> , 2014, 9, 2058-2066.	3.4	41
14	A missense mutation in the catalytic domain of <i>O</i> -GlcNAc transferase links perturbations in protein <i>O</i> -GlcNAcylation to X-linked intellectual disability. <i>FEBS Letters</i> , 2020, 594, 717-727.	2.8	40
15	Structural Basis for Selective Recognition of Endogenous and Microbial Polysaccharides by Macrophage Receptor SIGN-R1. <i>Structure</i> , 2014, 22, 1595-1606.	3.3	31
16	Tetrahydroisoquinoline-7-carboxamide Derivatives as New Selective Discoidin Domain Receptor 1 (DDR1) Inhibitors. <i>ACS Medicinal Chemistry Letters</i> , 2017, 8, 327-332.	2.8	31
17	Target highlights in CASP9: Experimental target structures for the critical assessment of techniques for protein structure prediction. <i>Proteins: Structure, Function and Bioinformatics</i> , 2011, 79, 6-20.	2.6	19
18	Mechanisms of redundancy and specificity of the <i>Aspergillus fumigatus</i> Crh transglycosylases. <i>Nature Communications</i> , 2019, 10, 1669.	12.8	18

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19	Structural insights into the binding and catalytic mechanisms of the <i>Listeria monocytogenes</i> bacteriophage glycosyl hydrolase PlyP40. <i>Molecular Microbiology</i> , 2018, 108, 128-142.	2.5	12
20	Three-dimensional structures of Lipoproteins from <i>Streptococcus pneumoniae</i> and <i>Staphylococcus aureus</i> . <i>International Journal of Medical Microbiology</i> , 2018, 308, 692-704.	3.6	11
21	Crystal structures of CbpF complexed with atropine and ipratropium reveal clues for the design of novel antimicrobials against <i>Streptococcus pneumoniae</i> . <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2014, 1840, 129-135.	2.4	10
22	The citron homology domain as a scaffold for Rho1 signaling. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	7.1	9
23	Crystallization and preliminary X-ray diffraction analysis of phosphoglycerate kinase from <i>Streptococcus pneumoniae</i> . <i>Acta Crystallographica Section F: Structural Biology Communications</i> , 2011, 67, 1285-1289.	0.7	8