Juan A Fuentes

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/6880748/publications.pdf

Version: 2024-02-01

59	1,445	361413 20	361022 35
papers	citations	h-index	g-index

61	61	61	2078
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Prophage Contribution to Bacterial Population Dynamics. Journal of Bacteriology, 2003, 185, 6467-6471.	2.2	172
2	Intracellular trafficking and cellular uptake mechanism of PHBV nanoparticles for targeted delivery in epithelial cell lines. Journal of Nanobiotechnology, 2017, 15, 1.	9.1	115
3	The Salmonella enterica sv. Typhimurium smvA, yddG and ompD (porin) genes are required for the efficient efflux of methyl viologen. Molecular Microbiology, 2002, 46, 687-698.	2.5	75
4	The Salmonella Typhi hlyE gene plays a role in invasion of cultured epithelial cells and its functional transfer to S. Typhimurium promotes deep organ infection in mice. Research in Microbiology, 2008, 159, 279-287.	2.1	74
5	Precise Excision of the Large Pathogenicity Island, SPI7, in Salmonella enterica Serovar Typhi. Journal of Bacteriology, 2004, 186, 3202-3213.	2.2	69
6	Characterization of the Adherence of Clostridium difficile Spores: The Integrity of the Outermost Layer Affects Adherence Properties of Spores of the Epidemic Strain R20291 to Components of the Intestinal Mucosa. Frontiers in Cellular and Infection Microbiology, 2016, 6, 99.	3.9	62
7	The ompW (porin) gene mediates methyl viologen (paraquat) efflux in Salmonella enterica serovar Typhimurium. Research in Microbiology, 2007, 158, 529-536.	2.1	59
8	Inhibitory effect of biofilm-forming Lactobacillus kunkeei strains against virulent Pseudomonas aeruginosa in vitro and in honeycomb moth (Galleria mellonella) infection model. Beneficial Microbes, 2018, 9, 257-268.	2.4	55
9	Identification of Genes Involved in Biogenesis of Outer Membrane Vesicles (OMVs) in Salmonella enterica Serovar Typhi. Frontiers in Microbiology, 2019, 10, 104.	3.5	51
10	Study of the structureâ€“bioactivity relationship of three new pyridine Schiff bases: synthesis, spectral characterization, DFT calculations and biological assays. New Journal of Chemistry, 2018, 42, 8851-8863.	2.8	41
11	The ArcAB two-component regulatory system promotes resistance to reactive oxygen species and systemic infection by Salmonella Typhimurium. PLoS ONE, 2018, 13, e0203497.	2.5	34
12	The carbon source influences the efflux pump-mediated antimicrobial resistance in clinically important Gram-negative bacteria. Journal of Antimicrobial Chemotherapy, 2012, 67, 921-927.	3.0	33
13	A feed-forward loop between SroC and MgrR small RNAs modulates the expression of eptB and the susceptibility to polymyxin B in Salmonella Typhimurium. Microbiology (United Kingdom), 2016, 162, 1996-2004.	1.8	31
14	SPI-9 of Salmonella enterica serovar Typhi is constituted by an operon positively regulated by RpoS and contributes to adherence to epithelial cells in culture. Microbiology (United Kingdom), 2016, 162, 1367-1378.	1.8	28
15	Theoretical and experimental characterization of a novel pyridine benzimidazole: suitability for fluorescence staining in cells and antimicrobial properties. New Journal of Chemistry, 2016, 40, 2362-2375.	2.8	27
16	CysB-dependent upregulation of the Salmonella Typhimurium cysJIH operon in response to antimicrobial compounds that induce oxidative stress. Biochemical and Biophysical Research Communications, 2015, 458, 46-51.	2.1	25
17	Effect of Terminal Groups of Dendrimers in the Complexation with Antisense Oligonucleotides and Cell Uptake. Nanoscale Research Letters, 2016, 11, 66.	5.7	24
18	Rhenium (I) Complexes as Probes for Prokaryotic and Fungal Cells by Fluorescence Microscopy: Do Ligands Matter?. Frontiers in Chemistry, 2019, 7, 454.	3.6	24

#	Article	IF	Citations
19	S. Typhimurium sseJ gene decreases the S. Typhi cytotoxicity toward cultured epithelial cells. BMC Microbiology, 2010, 10, 312.	3.3	23
20	Two New Fluorinated Phenol Derivatives Pyridine Schiff Bases: Synthesis, Spectral, Theoretical Characterization, Inclusion in Epichlorohydrin-Î²-Cyclodextrin Polymer, and Antifungal Effect. Frontiers in Chemistry, 2018, 6, 312.	3.6	23
21	Pseudogenization of sopA and sopE2 is functionally linked and contributes to virulence of Salmonella enterica serovar Typhi. Infection, Genetics and Evolution, 2015, 33, 131-142.	2.3	22
22	RpoS- and Crp-dependent transcriptional control of Salmonella Typhi taiA and hlyE genes: role of environmental conditions. Research in Microbiology, 2009, 160, 800-808.	2.1	20
23	Salmonella Typhi shdA: Pseudogene or allelic variant?. Infection, Genetics and Evolution, 2014, 26, 146-152.	2.3	20
24	The transcription factor SlyA from Salmonella Typhimurium regulates genes in response to hydrogen peroxide and sodium hypochlorite. Research in Microbiology, 2018, 169, 263-278.	2.1	20
25	Cyclic voltammetry, relativistic DFT calculations and biological test of cytotoxicity in walled-cell models of two classical rhenium (I) tricarbonyl complexes with 5-amine-1,10-phenanthroline. Chemical Physics Letters, 2019, 715, 231-238.	2.6	20
26	Spectral, theoretical characterization and antifungal properties of two phenol derivative Schiff bases with an intramolecular hydrogen bond. New Journal of Chemistry, 2015, 39, 7822-7831.	2.8	19
27	RpoS integrates CRP, Fis, and PhoP signaling pathways to control Salmonella Typhi hlyE expression. BMC Microbiology, 2014, 14, 139.	3.3	18
28	Lose to win: marT pseudogenization in Salmonella enterica serovar Typhi contributed to the surV -dependent survival to H 2 O 2 , and inside human macrophage-like cells. Infection, Genetics and Evolution, 2016, 45, 111-121.	2.3	18
29	Fluorescence probes for prokaryotic and eukaryotic cells using Re(CO)₃⁺complexes with an electron withdrawing ancillary ligand. New Journal of Chemistry, 2016, 40, 7687-7700.	2.8	18
30	Substituted bidentate and ancillary ligands modulate the bioimaging properties of the classical Re(<scp>i</scp>) tricarbonyl core with yeasts and bacteria. New Journal of Chemistry, 2017, 41, 2140-2147.	2.8	18
31	â€œOne for Allâ€ Functional Transfer of OMV-Mediated Polymyxin B Resistance From Salmonella enterica sv. Typhi Î”tolR and Î”degS to Susceptible Bacteria. Frontiers in Microbiology, 2021, 12, 672467.	3.5	17
32	Motility modulation by the small non-coding RNA SroC inSalmonellaTyphimurium. FEMS Microbiology Letters, 2015, 362, fnv135.	1.8	16
33	stg fimbrial operon from S. Typhi STH2370 contributes to association and cell disruption of epithelial and macrophage-like cells. Biological Research, 2015, 48, 34.	3.4	15
34	New Properties of a Bioinspired Pyridine Benzimidazole Compound as a Novel Differential Staining Agent for Endoplasmic Reticulum and Golgi Apparatus in Fluorescence Live Cell Imaging. Frontiers in Chemistry, 2018, 6, 345.	3.6	14
35	Xylose Improves Antibiotic Activity of Chloramphenicol and Tetracycline againstK. pneumoniaeandA. baumanniiin a Murine Model of Skin Infection. Canadian Journal of Infectious Diseases and Medical Microbiology, 2018, 2018, 1-6.	1.9	14
36	The Small RNA RyhB Homologs from Salmonella Typhimurium Restrain the Intracellular Growth and Modulate the SPI-1 Gene Expression within RAW264.7 Macrophages. Microorganisms, 2021, 9, 635.	3.6	12

#	Article	IF	Citations
37	The Cotranscribed Salmonella enterica sv. Typhi tsx and impX Genes Encode Opposing Nucleoside-Specific Import and Export Proteins. Genetics, 2006, 173, 25-34.	2.9	11
38	SalmonellaTyphimurium exhibits fluoroquinolone resistance mediated by the accumulation of the antioxidant molecule H2S in a CysK-dependent manner. Journal of Antimicrobial Chemotherapy, 2016, 71, 3409-3415.	3.0	11
39	Outcome of relapsing Clostridium difficile infections do not correlate with virulence-, spore- and vegetative cell-associated phenotypes. Anaerobe, 2015, 36, 30-38.	2.1	10
40	Participation of two sRNA RyhB homologs from the fish pathogen Yersinia ruckeri in bacterial physiology. Microbiological Research, 2021, 242, 126629.	5.3	9
41	Clostridioides (Clostridium) difficileinfection: current and alternative therapeutic strategies. Future Microbiology, 2018, 13, 469-482.	2.0	8
42	Exploring rhenium (I) complexes as potential fluorophores for walled-cells (yeasts and bacteria): Photophysics, biocompatibility, and confocal microscopy. Dyes and Pigments, 2021, 184, 108876.	3.7	8
43	Structural Characterization, DFT Calculation, NCI, Scan-Rate Analysis and Antifungal Activity against Botrytis cinerea of (E)-2-{[(2-Aminopyridin-2-yl)imino]-methyl}-4,6-di-tert-butylphenol (Pyridine Schiff) Tj ETQq1 1 0.784314 rgBT /Ove	3.8	6
44	The NarE protein ofNeisseria gonorrhoeaecatalyzes ADP-ribosylation of several ADP-ribose acceptors despite an N-terminal deletion. FEMS Microbiology Letters, 2016, 363, fnw181.	1.8	5
45	A theoretical chemistry-based strategy for the rational design of new luminescent lanthanide complexes: an approach from a multireference SOC-NEVPT2 method. Dalton Transactions, 2021, 50, 13561-13571.	3.3	5
46	Physicochemical and Theoretical Characterization of a New Small Non-Metal Schiff Base with a Differential Antimicrobial Effect against Gram-Positive Bacteria. International Journal of Molecular Sciences, 2022, 23, 2553.	4.1	5
47	Participation of S. Typhimurium cysJIH Operon in the H2S-mediated Ciprofloxacin Resistance in Presence of Sulfate as Sulfur Source. Antibiotics, 2015, 4, 321-328.	3.7	4
48	Prototypical cis-ruthenium(II) complexes present differential fluorescent staining in walled-cell models (yeasts). Chemical Papers, 2019, 73, 1629-1637.	2.2	4
49	Evaluation of functionality of type II toxin-antitoxin systems of Clostridioides difficile R20291. Microbiological Research, 2020, 239, 126539.	5.3	4
50	The cis-encoded antisense RNA IsrA from Salmonella Typhimurium represses the expression of STM0294.1n (iasE), an SOS-induced gene coding for an endoribonuclease activity. Biochemical and Biophysical Research Communications, 2020, 526, 706-712.	2.1	4
51	Development of a PHBV nanoparticle as a peptide vehicle for NOD1 activation. Drug Delivery, 2021, 28, 1020-1030.	5.7	4
52	CONFOCAL MICROSCOPY STUDIES OF LIVING FUNGAL HYPHAE AND CONIDIA USING RHENIUM (I) TRICARBONYL COMPLEXES AS FLUORESCENT DYES.. Journal of the Chilean Chemical Society, 2019, 64, 4428-4431.	1.2	4
53	A conditionally lethal mutant of Salmonella Typhimurium induces a protective response in mice. Biochemical and Biophysical Research Communications, 2016, 470, 313-318.	2.1	3
54	New Cationic fac-[Re(CO)3(deeb)B2]+ Complex, Where B2 Is a Benzimidazole Derivative, as a Potential New Luminescent Dye for Proteins Separated by SDS-PAGE. Frontiers in Chemistry, 2021, 9, 647816.	3.6	3

#	Article	IF	Citations
55	Biochemical characterization of Peumus boldus fruits: Insights of its antioxidant properties through a theoretical approach. Food Chemistry, 2022, 370, 131012.	8.2	3
56	The RNA Chaperone Hfq Participates in Persistence to Multiple Antibiotics in the Fish Pathogen Yersinia ruckeri. Microorganisms, 2021, 9, 1404.	3.6	2
57	The role of substituted pyridine Schiff bases as ancillary ligands in the optical properties of a new series of fac-rhenium(<scp>i</scp>) tricarbonyl complexes: a theoretical view. RSC Advances, 2021, 11, 37181-37193.	3.6	2
58	CdsH Contributes to the Replication of Salmonella Typhimurium inside Epithelial Cells in a Cysteine-Supplemented Medium. Microorganisms, 2020, 8, 2019.	3.6	0
59	Antimicrobial Properties of Chilean Native Plants: Future Aspects in Their Application in the Food Industry. Foods, 2022, 11, 1763.	4.3	0