

Serena Ammendola

List of Publications by Year in descending order

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Version: 2024-02-01

32
papers

1,307
citations

361413

20
h-index

434195

31
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32
all docs

32
docs citations

32
times ranked

1519
citing authors

#	ARTICLE	IF	CITATIONS
1	High-Affinity Zn ²⁺ Uptake System ZnuABC Is Required for Bacterial Zinc Homeostasis in Intracellular Environments and Contributes to the Virulence of <i>Salmonella enterica</i> . <i>Infection and Immunity</i> , 2007, 75, 5867-5876.	2.2	222
2	Nerve Growth Factor Inhibits Apoptosis in Memory B Lymphocytes via Inactivation of p38 MAPK, Prevention of Bcl-2 Phosphorylation, and Cytochrome c Release. <i>Journal of Biological Chemistry</i> , 2001, 276, 39027-39036.	3.4	106
3	The Zur-Regulated ZinT Protein Is an Auxiliary Component of the High-Affinity ZnuABC Zinc Transporter That Facilitates Metal Recruitment during Severe Zinc Shortage. <i>Journal of Bacteriology</i> , 2010, 192, 1553-1564.	2.2	103
4	Competition for zinc binding in the host-pathogen interaction. <i>Frontiers in Cellular and Infection Microbiology</i> , 2013, 3, 108.	3.9	100
5	Role of ZnuABC and ZinT in <i>Escherichia coli</i> O157:H7 zinc acquisition and interaction with epithelial cells. <i>BMC Microbiology</i> , 2011, 11, 36.	3.3	86
6	Regulatory and Structural Differences in the Cu,Zn-Superoxide Dismutases of <i>Salmonella enterica</i> and Their Significance for Virulence. <i>Journal of Biological Chemistry</i> , 2008, 283, 13688-13699.	3.4	65
7	A Comparative Genomic Analysis Provides Novel Insights Into the Ecological Success of the Monophasic <i>Salmonella</i> Serovar 4,[5],12:i:-. <i>Frontiers in Microbiology</i> , 2018, 9, 715.	3.5	65
8	<i>Salmonella enterica</i> Serovar Typhimurium Exploits Inflammation to Modify Swine Intestinal Microbiota. <i>Frontiers in Cellular and Infection Microbiology</i> , 2015, 5, 106.	3.9	61
9	The ZupT transporter plays an important role in zinc homeostasis and contributes to <i>Salmonella enterica</i> virulence. <i>Metalomics</i> , 2014, 6, 845-853.	2.4	55
10	Deregulation of transition metals homeostasis is a key feature of cadmium toxicity in <i>Salmonella</i> . <i>BioMetals</i> , 2014, 27, 703-714.	4.1	43
11	Periplasmic Cu,Zn superoxide dismutase and cytoplasmic Dps concur in protecting <i>Salmonella enterica</i> serovar Typhimurium from extracellular reactive oxygen species. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2008, 1780, 226-232.	2.4	37
12	Zinc is required to ensure the expression of flagella and the ability to form biofilms in <i>Salmonella enterica</i> sv Typhimurium. <i>Metalomics</i> , 2016, 8, 1131-1140.	2.4	36
13	Attenuated <i>Salmonella enterica</i> serovar Typhimurium lacking the ZnuABC transporter confers immune-based protection against challenge infections in mice. <i>Vaccine</i> , 2008, 26, 3421-3426.	3.8	32
14	An attenuated <i>Salmonella enterica</i> serovar Typhimurium strain lacking the ZnuABC transporter induces protection in a mouse intestinal model of <i>Salmonella</i> infection. <i>Vaccine</i> , 2011, 29, 1783-1790.	3.8	29
15	Diversity of <i>Salmonella</i> spp. serovars isolated from the intestines of water buffalo calves with gastroenteritis. <i>BMC Veterinary Research</i> , 2012, 8, 201.	1.9	29
16	Attenuated <i>Salmonella enterica</i> serovar Typhimurium lacking the ZnuABC transporter: An efficacious orally-administered mucosal vaccine against salmonellosis in pigs. <i>Vaccine</i> , 2013, 31, 3695-3701.	3.8	29
17	Attenuated mutant strain of <i>Salmonella</i> Typhimurium lacking the ZnuABC transporter contrasts tumor growth promoting anti-cancer immune response. <i>Oncotarget</i> , 2015, 6, 17648-17660.	1.8	27
18	Differential contribution of sodC1 and sodC2 to intracellular survival and pathogenicity of <i>Salmonella enterica</i> serovar Choleraesuis. <i>Microbes and Infection</i> , 2005, 7, 698-707.	1.9	25

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19	Salmonella enterica serovar Typhimurium growth is inhibited by the concomitant binding of Zn(II) and a pyrrolyl-hydroxamate to ZnuA, the soluble component of the ZnuABC transporter. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2016, 1860, 534-541.	2.4	25
20	Phenotypic profile linked to inhibition of the major Zn influx system in <i>Salmonella enterica</i> : proteomics and ionomics investigations. <i>Molecular BioSystems</i> , 2011, 7, 608-619.	2.9	22
21	Involvement of Reactive Oxygen Species in Bacterial Killing within Epithelial Cells. <i>International Journal of Immunopathology and Pharmacology</i> , 2004, 17, 71-76.	2.1	17
22	Differences in gene expression levels and in enzymatic qualities account for the uneven contribution of superoxide dismutases SodCI and SodCII to pathogenicity in <i>Salmonella enterica</i> . <i>Microbes and Infection</i> , 2006, 8, 1569-1578.	1.9	16
23	10-Undecanhydroxamic acid, a hydroxamate derivative of the undecanoic acid, has strong antimicrobial activity through a mechanism that limits iron availability. <i>FEMS Microbiology Letters</i> , 2009, 294, 61-67.	1.8	14
24	Cobalt can fully recover the phenotypes related to zinc deficiency in <i>Salmonella</i> Typhimurium. <i>Metallomics</i> , 2020, 12, 2021-2031.	2.4	12
25	Potential Use of Tea Tree Oil as a Disinfectant Agent against Coronaviruses: A Combined Experimental and Simulation Study. <i>Molecules</i> , 2022, 27, 3786.	3.8	12
26	A novel antimicrobial approach based on the inhibition of zinc uptake in <i>Salmonella enterica</i> . <i>Future Medicinal Chemistry</i> , 2017, 9, 899-910.	2.3	10
27	Prime-boost vaccination with attenuated <i>Salmonella</i> Typhimurium Δ znuABC and inactivated <i>Salmonella</i> Choleraesuis is protective against <i>Salmonella</i> Choleraesuis challenge infection in piglets. <i>BMC Veterinary Research</i> , 2017, 13, 284.	1.9	9
28	Parenteral administration of attenuated <i>Salmonella</i> Typhimurium Δ znuABC is protective against salmonellosis in piglets. <i>Vaccine</i> , 2014, 32, 4032-4038.	3.8	7
29	Structure and metal-binding properties of PA4063, a novel player in periplasmic zinc trafficking by <i>Pseudomonas aeruginosa</i> . <i>Acta Crystallographica Section D: Structural Biology</i> , 2021, 77, 1401-1410.	2.3	6
30	<i>Salmonella</i> Typhimurium and <i>Pseudomonas aeruginosa</i> Respond Differently to the Fe Chelator Deferiprone and to Some Novel Deferiprone Derivatives. <i>International Journal of Molecular Sciences</i> , 2021, 22, 10217.	4.1	5
31	<i>Salmonella</i> Typhimurium infection primes a nutritive mechanism in piglets. <i>Veterinary Microbiology</i> , 2016, 186, 117-125.	1.9	2
32	New Insights into the Role of Metals in Host-Pathogen Interactions. <i>International Journal of Molecular Sciences</i> , 2022, 23, 6483.	4.1	0