

Seydina M Diene

List of Publications by Citations

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77
papers

2,216
citations

22
h-index

46
g-index

90
ext. papers

2,982
ext. citations

5.8
avg, IF

5.14
L-index

#	Paper	IF	Citations
77	ARG-ANNOT, a new bioinformatic tool to discover antibiotic resistance genes in bacterial genomes. <i>Antimicrobial Agents and Chemotherapy</i> , 2014 , 58, 212-20	5.9	752
76	Worldwide emergence of colistin resistance in <i>Klebsiella pneumoniae</i> from healthy humans and patients in Lao PDR, Thailand, Israel, Nigeria and France owing to inactivation of the PhoP/PhoQ regulator mgrB: an epidemiological and molecular study. <i>International Journal of Antimicrobial Agents</i> , 2014 , 44, 500-7	14.3	177
75	Carbapenemase genes and genetic platforms in Gram-negative bacilli: Enterobacteriaceae, <i>Pseudomonas</i> and <i>Acinetobacter</i> species. <i>Clinical Microbiology and Infection</i> , 2014 , 20, 831-8	9.5	112
74	The rhizome of the multidrug-resistant <i>Enterobacter aerogenes</i> genome reveals how new "killer bugs" are created because of a sympatric lifestyle. <i>Molecular Biology and Evolution</i> , 2013 , 30, 369-83	8.3	83
73	Real-time sequencing to decipher the molecular mechanism of resistance of a clinical pan-drug-resistant <i>Acinetobacter baumannii</i> isolate from Marseille, France. <i>Antimicrobial Agents and Chemotherapy</i> , 2013 , 57, 592-6	5.9	57
72	Biotyping of multidrug-resistant <i>Klebsiella pneumoniae</i> clinical isolates from France and Algeria using MALDI-TOF MS. <i>PLoS ONE</i> , 2013 , 8, e61428	3.7	57
71	Real-time PCR assay allows detection of the New Delhi metallo-β-lactamase (NDM-1)-encoding gene in France. <i>International Journal of Antimicrobial Agents</i> , 2011 , 37, 544-6	14.3	53
70	Human microbiomes and antibiotic resistance. <i>Human Microbiome Journal</i> , 2018 , 10, 43-52	5.6	45
69	Carbapenem resistance and <i>Acinetobacter baumannii</i> in Senegal: the paradigm of a common phenomenon in natural reservoirs. <i>PLoS ONE</i> , 2012 , 7, e39495	3.7	42
68	The SIB Swiss Institute of Bioinformatics' resources: focus on curated databases. <i>Nucleic Acids Research</i> , 2016 , 44, D27-37	20.1	41
67	Dissemination of a class I integron carrying VIM-2 carbapenemase in <i>Pseudomonas aeruginosa</i> clinical isolates from a hospital intensive care unit in Annaba, Algeria. <i>Antimicrobial Agents and Chemotherapy</i> , 2013 , 57, 2426-7	5.9	38
66	Molecular detection of OXA carbapenemase genes in multidrug-resistant <i>Acinetobacter baumannii</i> isolates from Iraq and Georgia. <i>International Journal of Antimicrobial Agents</i> , 2011 , 38, 164-8	14.3	38
65	Study of mcr-1 Gene-Mediated Colistin Resistance in Enterobacteriaceae Isolated from Humans and Animals in Different Countries. <i>Genes</i> , 2017 , 8,	4.2	36
64	Emergence of blaOXA-23 and blaOXA-58 carbapenemase-encoding genes in multidrug-resistant <i>Acinetobacter baumannii</i> isolates from University Hospital of Annaba, Algeria. <i>International Journal of Antimicrobial Agents</i> , 2012 , 40, 89-91	14.3	30
63	Emergence of VIM-2 and IMP-15 carbapenemases and inactivation of oprD gene in carbapenem-resistant <i>Pseudomonas aeruginosa</i> clinical isolates from Lebanon. <i>Antimicrobial Agents and Chemotherapy</i> , 2014 , 58, 4966-70	5.9	29
62	Development of real-time PCR assay allowed describing the first clinical <i>Klebsiella pneumoniae</i> isolate harboring plasmid-mediated colistin resistance mcr-8 gene in Algeria. <i>Journal of Global Antimicrobial Resistance</i> , 2020 , 20, 266-271	3.4	27
61	Investigation of <i>Acinetobacter baumannii</i> resistance to carbapenems in Marseille hospitals, south of France: a transition from an epidemic to an endemic situation. <i>Apmis</i> , 2013 , 121, 64-71	3.4	26

60	Prophages and adaptation of <i>Staphylococcus aureus</i> ST398 to the human clinic. <i>BMC Genomics</i> , 2017 , 18, 133	4.5	26
59	Genome of the carbapenemase-producing clinical isolate <i>Elizabethkingia miricola</i> EM_CHUV and comparative genomics with <i>Elizabethkingia meningoseptica</i> and <i>Elizabethkingia anophelis</i> : evidence for intrinsic multidrug resistance trait of emerging pathogens. <i>International Journal of Antimicrobial Agents</i> , 2017 , 49, 93-97	14.3	25
58	Massive analysis of 64,628 bacterial genomes to decipher water reservoir and origin of mobile colistin resistance genes: is there another role for these enzymes?. <i>Scientific Reports</i> , 2020 , 10, 5970	4.9	23
57	Non-contiguous finished genome sequence and description of <i>Bacillus massiliogorillae</i> sp. nov. <i>Standards in Genomic Sciences</i> , 2013 , 9, 93-105		23
56	Genome analysis of NDM-1 producing <i>Morganella morganii</i> clinical isolate. <i>Expert Review of Anti-Infective Therapy</i> , 2014 , 12, 1297-305	5.5	21
55	Genomic Plasticity of Multidrug-Resistant NDM-1 Positive Clinical Isolate of <i>Providencia rettgeri</i> . <i>Genome Biology and Evolution</i> , 2016 , 8, 723-8	3.9	20
54	Investigation of antibiotic resistance in the genomic era of multidrug-resistant Gram-negative bacilli, especially Enterobacteriaceae, <i>Pseudomonas</i> and <i>Acinetobacter</i> . <i>Expert Review of Anti-Infective Therapy</i> , 2013 , 11, 277-96	5.5	19
53	Whole-genome sequence of <i>Chryseobacterium oranimense</i> , a colistin-resistant bacterium isolated from a cystic fibrosis patient in France. <i>Antimicrobial Agents and Chemotherapy</i> , 2015 , 59, 1696-706	5.9	19
52	Deciphering Heteroresistance to Colistin in a <i>Klebsiella pneumoniae</i> Isolate from Marseille, France. <i>Antimicrobial Agents and Chemotherapy</i> , 2017 , 61,	5.9	18
51	Spread of Carbapenem and Colistin-Resistant <i>Klebsiella pneumoniae</i> ST512 Clinical Isolates in Israel: A Cause for Vigilance. <i>Microbial Drug Resistance</i> , 2019 , 25, 63-71	2.9	18
50	Human metallo-β-lactamase enzymes degrade penicillin. <i>Scientific Reports</i> , 2019 , 9, 12173	4.9	18
49	ISPa46, a novel insertion sequence in the oprD porin gene of an imipenem-resistant <i>Pseudomonas aeruginosa</i> isolate from a cystic fibrosis patient in Marseille, France. <i>International Journal of Antimicrobial Agents</i> , 2013 , 42, 268-71	14.3	18
48	Investigation of multidrug-resistant ST2 <i>Acinetobacter baumannii</i> isolated from Saint George hospital in Lebanon. <i>BMC Microbiology</i> , 2019 , 19, 29	4.5	17
47	Phenotypic and genotypic properties of <i>Microbacterium yannicii</i> , a recently described multidrug resistant bacterium isolated from a lung transplanted patient with cystic fibrosis in France. <i>BMC Microbiology</i> , 2013 , 13, 97	4.5	16
46	First report of colistin-resistant <i>Klebsiella pneumoniae</i> clinical isolates in Lebanon. <i>Journal of Global Antimicrobial Resistance</i> , 2017 , 9, 15-16	3.4	14
45	Characterization of <i>Staphylococcus aureus</i> Isolated from Food Products in Western Algeria. <i>Foodborne Pathogens and Disease</i> , 2018 , 15, 353-360	3.8	14
44	Molecular characterization of carbapenem-resistant Gram-negative bacilli clinical isolates in Algeria. <i>Infection and Drug Resistance</i> , 2018 , 11, 735-742	4.2	14
43	Codon usage, amino acid usage, transfer RNA and amino-acyl-tRNA synthetases in Mimiviruses. <i>Intervirology</i> , 2013 , 56, 364-75	2.5	14

42	Temperate Prophages Increase Bacterial Adhesin Expression and Virulence in an Experimental Model of Endocarditis Due to From the CC398 Lineage. <i>Frontiers in Microbiology</i> , 2019 , 10, 742	5.7	13
41	Emergence of bla-Producing Enterobacteriaceae in Gabon, 2016. <i>Emerging Infectious Diseases</i> , 2017 , 23, 356-358	10.2	13
40	Characterisation of bla _a , a new variant of bla ₁ , in Shewanella xiamenensis isolated from river water in Algeria. <i>Journal of Global Antimicrobial Resistance</i> , 2018 , 13, 70-73	3.4	12
39	Colistin- and Carbapenem-Resistant Klebsiella pneumoniae Clinical_Isolates: Algeria. <i>Microbial Drug Resistance</i> , 2019 , 25, 258-263	2.9	12
38	Prevalence and characterization of Staphylococcus aureus in wastewater treatment plants by whole genomic sequencing. <i>Water Research</i> , 2019 , 158, 193-202	12.5	11
37	How to discover new antibiotic resistance genes?. <i>Expert Review of Molecular Diagnostics</i> , 2019 , 19, 349-362	3.62	11
36	Genome sequence of Microbacterium yannicii, a bacterium isolated from a cystic fibrosis patient. <i>Journal of Bacteriology</i> , 2012 , 194, 4785	3.5	11
35	Emergence of the OXA-23 carbapenemase-encoding gene in multidrug-resistant Acinetobacter baumannii clinical isolates from the Principal Hospital of Dakar, Senegal. <i>International Journal of Infectious Diseases</i> , 2013 , 17, e209-10	10.5	10
34	Enigmatic occurrence of NDM-7 enzyme in the community. <i>International Journal of Antimicrobial Agents</i> , 2016 , 47, 505-7	14.3	9
33	How artificial is the antibiotic resistance definition?. <i>Lancet Infectious Diseases, The</i> , 2017 , 17, 690	25.5	7
32	Dual RNase and Lactamase Activity of a Single Enzyme Encoded in Archaea. <i>Life</i> , 2020 , 10,	3	7
31	Differential expression of hemoglobin receptor, HmbR, between carriage and invasive isolates of Neisseria meningitidis contributes to virulence: lessons from a clonal outbreak. <i>Virulence</i> , 2018 , 9, 923-927	1.7	6
30	Autochthonous case of mobile colistin resistance gene mcr-1 from a uropathogenic Escherichia coli isolate in Sif Hospital, Algeria. <i>Journal of Global Antimicrobial Resistance</i> , 2019 , 19, 356-357	3.4	6
29	A Potential New Human Pathogen Belonging to Genus, Identified in a Bloodstream Infection. <i>Frontiers in Microbiology</i> , 2017 , 8, 2533	5.7	6
28	Intestinal carriage of colistin-resistant Enterobacteriaceae at Saint Georges Hospital in Lebanon. <i>Journal of Global Antimicrobial Resistance</i> , 2020 , 21, 386-390	3.4	6
27	Molecular Characterization of Multidrug-Resistant Escherichia coli Isolated from Milk of Dairy Cows with Clinical Mastitis in Algeria. <i>Journal of Food Protection</i> , 2020 , 83, 2173-2178	2.5	5
26	Investigation of an XDR- ST2 outbreak in an intensive care unit of a Lebanese tertiary care hospital. <i>Future Microbiology</i> , 2020 , 15, 1535-1542	2.9	5
25	Non-contiguous finished genome sequence and description of Bacillus massilioalgeriensis sp. nov. <i>Standards in Genomic Sciences</i> , 2014 , 9, 1046-61		4

24	Comparative Genomics Analysis of <i>Streptococcus tigurinus</i> Strains Identifies Genetic Elements Specifically and Uniquely Present in Highly Virulent Strains. <i>PLoS ONE</i> , 2016 , 11, e0160554	3.7	4
23	Evaluation of different testing tools for the identification of non-gonococcal <i>Neisseria</i> spp. isolated from Lebanese male semen: a strong and significant association with infertility. <i>Journal of Medical Microbiology</i> , 2019 , 68, 1012-1020	3.2	4
22	Promiscuous Enzyme Activity as a Driver of Allo and Iso Convergent Evolution, Lessons from the β -Lactamases. <i>International Journal of Molecular Sciences</i> , 2020 , 21,	6.3	4
21	Dissemination of Carbapenemases (OXA-48, NDM and VIM) Producing Isolated from the Mohamed VI University Hospital in Marrakech, Morocco. <i>Antibiotics</i> , 2021 , 10,	4.9	4
20	An Integrative Database of β -Lactamase Enzymes: Sequences, Structures, Functions, and Phylogenetic Trees. <i>Antimicrobial Agents and Chemotherapy</i> , 2019 , 63,	5.9	4
19	Inactivation of thymidine kinase as a cause of resistance to zidovudine in clinical isolates of <i>Escherichia coli</i> : a phenotypic and genomic study. <i>Journal of Antimicrobial Chemotherapy</i> , 2020 , 75, 1410-1414	5.1	3
18	A metallo- β -lactamase enzyme for internal detoxification of the antibiotic thienamycin. <i>Scientific Reports</i> , 2021 , 11, 10062	4.9	3
17	, a New Family of Fosfomycin Resistance Genes Identified in Bacterial Species Isolated from Human Microbiota. <i>Antimicrobial Agents and Chemotherapy</i> , 2021 , 65,	5.9	3
16	Dual infections of two carbapenemase-producing clinical strains isolated from the same blood culture sample of a patient in Iran. <i>Antimicrobial Resistance and Infection Control</i> , 2018 , 7, 39	6.2	2
15	Non-contiguous finished genome sequence and description of <i>Paucisalibacillus algeriensis</i> sp. nov. <i>Standards in Genomic Sciences</i> , 2014 , 9, 1352-65		2
14	Dual RNase and β -lactamase activity of a single enzyme encoded in most Archaea		2
13	Massive analysis of 64828 bacterial genomes to decipher a water reservoir and origin of mobile colistin resistance (<i>mcr</i>) gene variants: is there another role for this family of enzymes?		2
12	Detection of a new variant of OXA-23 carbapenemase in <i>Acinetobacter radioresistens</i> isolates from urban animals in Marseille, France. <i>Journal of Global Antimicrobial Resistance</i> , 2019 , 16, 178-180	3.4	1
11	Bacterial infection during wars, conflicts and post-natural disasters in Asia and the Middle East: a narrative review. <i>Expert Review of Anti-Infective Therapy</i> , 2020 , 18, 511-529	5.5	1
10	Genomic features of an isolate of <i>Empedobacter falsenii</i> harbouring a novel variant of metallo- β -lactamase, <i>bla</i> gene.. <i>Infection, Genetics and Evolution</i> , 2022 , 98, 105234	4.5	1
9	Culturing Ancient Bacteria Carrying Resistance Genes from Permafrost and Comparative Genomics with Modern Isolates. <i>Microorganisms</i> , 2020 , 8,	4.9	1
8	First whole genome sequence of <i>Paenacaligenes suwonensis</i> bearing <i>bla</i> Metallo- β -lactamase: A clinical isolate responsible for acute gastroenteritis. <i>Infection, Genetics and Evolution</i> , 2020 , 85, 104513	4.5	1
7	12/111 ϕ iA Prophage Domestication Is Associated with Autoaggregation and Increased Ability to Produce Biofilm in. <i>Microorganisms</i> , 2021 , 9,	4.9	1

6	High frequency and diversity of Vancomycin-resistant Enterococci (VRE) in Algerian healthcare settings. <i>Infection, Genetics and Evolution</i> , 2021 , 92, 104889	4.5	1
5	Historical, current, and emerging tools for identification and serotyping of Shigella. <i>Brazilian Journal of Microbiology</i> , 2021 , 52, 2043-2055	2.2	1
4	Prevalence and Antimicrobial Resistance of in Hospital Settings.. <i>Antibiotics</i> , 2021 , 11,	4.9	1
3	First Isolation and Clinical Case of in a Newborn with Low Birth Weight, in Democratic Republic of Congo: A Case Report. <i>Medicina (Lithuania)</i> , 2021 , 57,	3.1	0
2	Reply to Planet et al. <i>Journal of Infectious Diseases</i> , 2016 , 214, 1610-1611	7	
1	Bhargavaea massiliensis sp. nov. and Dietzia massiliensis sp. nov., Novel Bacteria Species Isolated from Human Urine Samples in Nigeria.. <i>Current Microbiology</i> , 2021 , 79, 18	2.4	