

Seydina M Diene

List of Publications by Year in descending order

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86
papers

3,352
citations

201674

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all docs

90
docs citations

90
times ranked

4929
citing authors

#	ARTICLE	IF	CITATIONS
1	ARG-ANNOT, a New Bioinformatic Tool To Discover Antibiotic Resistance Genes in Bacterial Genomes. <i>Antimicrobial Agents and Chemotherapy</i> , 2014, 58, 212-220.	3.2	1,158
2	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, 500-507.	2.5	246
3	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, 831-838.	6.0	163
4	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, 369-383.	8.9	113
5	Human microbiomes and antibiotic resistance. <i>Human Microbiome Journal</i> , 2018, 10, 43-52.	3.8	84
6	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.	2.5	71
7	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, 592-596.	3.2	70
8	The SIB Swiss Institute of Bioinformatics'™ resources: focus on curated databases. <i>Nucleic Acids Research</i> , 2016, 44, D27-D37.	14.5	64
9	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, 544-546.	2.5	60
10	Study of mcr-1 Gene-Mediated Colistin Resistance in Enterobacteriaceae Isolated from Humans and Animals in Different Countries. <i>Genes</i> , 2017, 8, 394.	2.4	57
11	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.	2.5	50
12	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.	3.3	48
13	Prophages and adaptation of <i>Staphylococcus aureus</i> ST398 to the human clinic. <i>BMC Genomics</i> , 2017, 18, 133.	2.8	47
14	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, 164-168.	2.5	45
15	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.	2.2	44
16	Comparative Genomics of Community-Associated Methicillin-Resistant <i>Staphylococcus aureus</i> Shows the Emergence of Clone ST8-USA300 in Geneva, Switzerland. <i>Journal of Infectious Diseases</i> , 2016, 213, 1370-1379.	4.0	43
17	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, 2426-2427.	3.2	42
18	Characterization of <i>Staphylococcus aureus</i> Isolated from Food Products in Western Algeria. <i>Foodborne Pathogens and Disease</i> , 2018, 15, 353-360.	1.8	37

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19	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.	2.5	36
20	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.	2.0	34
21	Genome analysis of NDM-1 producing <i>Morganella morganii</i> clinical isolate. <i>Expert Review of Anti-Infective Therapy</i> , 2014, 12, 1297-1305.	4.4	34
22	Emergence of VIM-2 and IMP-15 Carbapenemases and Inactivation of <i>oprD</i> Gene in Carbapenem-Resistant <i>Pseudomonas aeruginosa</i> Clinical Isolates from Lebanon. <i>Antimicrobial Agents and Chemotherapy</i> , 2014, 58, 4966-4970.	3.2	34
23	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.	2.5	34
24	Human metallo- β -lactamase enzymes degrade penicillin. <i>Scientific Reports</i> , 2019, 9, 12173.	3.3	34
25	Non-contiguous finished genome sequence and description of <i>Bacillus massiliogorillae</i> sp. nov.. <i>Standards in Genomic Sciences</i> , 2013, 9, 93-105.	1.5	32
26	Deciphering Heteroresistance to Colistin in a <i>Klebsiella pneumoniae</i> Isolate from Marseille, France. <i>Antimicrobial Agents and Chemotherapy</i> , 2017, 61, .	3.2	31
27	ISPa46, a novel insertion sequence in the <i>oprD</i> 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, 268-271.	2.5	30
28	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, 1696-1706.	3.2	29
29	Investigation of multidrug-resistant ST2 <i>Acinetobacter baumannii</i> isolated from Saint George hospital in Lebanon. <i>BMC Microbiology</i> , 2019, 19, 29.	3.3	26
30	Investigation of antibiotic resistance in the genomic era of multidrug-resistant Gram-negative bacilli, especially <i>Enterobacteriaceae</i> , <i>Pseudomonas</i> and <i>Acinetobacter</i> . <i>Expert Review of Anti-Infective Therapy</i> , 2013, 11, 277-296.	4.4	24
31	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.	2.0	24
32	Emergence of bla _{NDM-7} Producing <i>Enterobacteriaceae</i> in Gabon, 2016. <i>Emerging Infectious Diseases</i> , 2017, 23, 356-358.	4.3	23
33	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.	3.3	22
34	Genomic Plasticity of Multidrug-Resistant NDM-1 Positive Clinical Isolate of <i>Providencia rettgeri</i> . <i>Genome Biology and Evolution</i> , 2016, 8, 723-728.	2.5	22
35	Temperate Prophages Increase Bacterial Adhesin Expression and Virulence in an Experimental Model of Endocarditis Due to <i>Staphylococcus aureus</i> From the CC398 Lineage. <i>Frontiers in Microbiology</i> , 2019, 10, 742.	3.5	22
36	Colistin- and Carbapenem-Resistant <i>Klebsiella pneumoniae</i> Clinical Isolates: Algeria. <i>Microbial Drug Resistance</i> , 2019, 25, 258-263.	2.0	21

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37	Molecular characterization of carbapenem-resistant Gram-negative bacilli clinical isolates in Algeria. <i>Infection and Drug Resistance</i> , 2018, Volume 11, 735-742.	2.7	20
38	Prevalence and characterization of <i>Staphylococcus aureus</i> in wastewater treatment plants by whole genomic sequencing. <i>Water Research</i> , 2019, 158, 193-202.	11.3	19
39	First report of colistin-resistant <i>Klebsiella pneumoniae</i> clinical isolates in Lebanon. <i>Journal of Global Antimicrobial Resistance</i> , 2017, 9, 15-16.	2.2	18
40	Dissemination of Carbapenemases (OXA-48, NDM and VIM) Producing Enterobacteriaceae Isolated from the Mohamed VI University Hospital in Marrakech, Morocco. <i>Antibiotics</i> , 2021, 10, 492.	3.7	18
41	Codon Usage, Amino Acid Usage, Transfer RNA and Amino-Acyl-tRNA Synthetases in Mimiviruses. <i>Intervirology</i> , 2013, 56, 364-375.	2.8	17
42	How to discover new antibiotic resistance genes?. <i>Expert Review of Molecular Diagnostics</i> , 2019, 19, 349-362.	3.1	15
43	Characterisation of bla OXA-538 , a new variant of bla OXA-48 , in <i>Shewanella xiamenensis</i> isolated from river water in Algeria. <i>Journal of Global Antimicrobial Resistance</i> , 2018, 13, 70-73.	2.2	14
44	Intestinal carriage of colistin-resistant Enterobacteriaceae at Saint Georges Hospital in Lebanon. <i>Journal of Global Antimicrobial Resistance</i> , 2020, 21, 386-390.	2.2	14
45	Mobile Colistin Resistance (mcr) Genes in Cats and Dogs and Their Zoonotic Transmission Risks. <i>Pathogens</i> , 2022, 11, 698.	2.8	14
46	Emergence of the OXA-23 carbapenemase-encoding gene in multidrug-resistant <i>Acinetobacter baumannii</i> clinical isolates from the Principal Hospital of Dakar, Senegal. <i>International Journal of Infectious Diseases</i> , 2013, 17, e209-e210.	3.3	13
47	Dual RNase and Î²-lactamase Activity of a Single Enzyme Encoded in Archaea. <i>Life</i> , 2020, 10, 280.	2.4	12
48	Genome Sequence of <i>Microbacterium yannicii</i> , a Bacterium Isolated from a Cystic Fibrosis Patient. <i>Journal of Bacteriology</i> , 2012, 194, 4785-4785.	2.2	11
49	Autochthonous case of mobile colistin resistance gene mcr-1 from a uropathogenic <i>Escherichia coli</i> isolate in SÃ©tif Hospital, Algeria. <i>Journal of Global Antimicrobial Resistance</i> , 2019, 19, 356-357.	2.2	11
50	Investigation of anÃDR- <i>Acinetobacter baumannii</i> ST2 outbreak in an intensive care unit of a Lebanese tertiary care hospital. <i>Future Microbiology</i> , 2020, 15, 1535-1542.	2.0	11
51	Emergence of Methicillin-Resistant <i>Staphylococcus aureus</i> ST239/241 SCCmec-III Mercury in Eastern Algeria. <i>Pathogens</i> , 2021, 10, 1503.	2.8	11
52	A Potential New Human Pathogen Belonging to <i>Helicobacter</i> Genus, Identified in a Bloodstream Infection. <i>Frontiers in Microbiology</i> , 2017, 8, 2533.	3.5	10
53	Enigmatic occurrence of NDM-7 enzyme in the community. <i>International Journal of Antimicrobial Agents</i> , 2016, 47, 505-507.	2.5	9
54	Differential expression of hemoglobin receptor, HmbR, between carriage and invasive isolates of <i>Neisseria meningitidis</i> contributes to virulence: lessons from a clonal outbreak. <i>Virulence</i> , 2018, 9, 923-929.	4.4	9

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55	Molecular Characterization of Multidrug-Resistant <i>Escherichia coli</i> Isolated from Milk of Dairy Cows with Clinical Mastitis in Algeria. <i>Journal of Food Protection</i> , 2020, 83, 2173-2178.	1.7	9
56	Non-contiguous finished genome sequence and description of <i>Bacillus massilialgeriensis</i> sp. nov.. <i>Standards in Genomic Sciences</i> , 2014, 9, 1046-1061.	1.5	8
57	How artificial is the antibiotic resistance definition?. <i>Lancet Infectious Diseases</i> , The, 2017, 17, 690.	9.1	8
58	An Integrative Database of β -Lactamase Enzymes: Sequences, Structures, Functions, and Phylogenetic Trees. <i>Antimicrobial Agents and Chemotherapy</i> , 2019, 63, .	3.2	8
59	Historical, current, and emerging tools for identification and serotyping of <i>Shigella</i> . <i>Brazilian Journal of Microbiology</i> , 2021, 52, 2043-2055.	2.0	8
60	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.	4.4	7
61	A metallo- β -lactamase enzyme for internal detoxification of the antibiotic thienamycin. <i>Scientific Reports</i> , 2021, 11, 10062.	3.3	7
62	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.	1.8	7
63	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.	2.5	7
64	Screening of Colistin-Resistant Bacteria in Domestic Pets from France. <i>Animals</i> , 2022, 12, 633.	2.3	7
65	Non-contiguous finished genome sequence and description of <i>Paucisalibacillus algeriensis</i> sp. nov.. <i>Standards in Genomic Sciences</i> , 2014, 9, 1352-1365.	1.5	6
66	Culturing Ancient Bacteria Carrying Resistance Genes from Permafrost and Comparative Genomics with Modern Isolates. <i>Microorganisms</i> , 2020, 8, 1522.	3.6	6
67	<i>fosM</i> , a New Family of Fosfomycin Resistance Genes Identified in Bacterial Species Isolated from Human Microbiota. <i>Antimicrobial Agents and Chemotherapy</i> , 2021, 65, .	3.2	6
68	Extensive Comparative Genomic Analysis of <i>Enterococcus faecalis</i> and <i>Enterococcus faecium</i> Reveals a Direct Association between the Absence of CRISPR-Cas Systems, the Presence of Anti-Endonuclease (<i>ardA</i>) and the Acquisition of Vancomycin Resistance in <i>E. faecium</i> . <i>Microorganisms</i> , 2021, 9, 1118.	3.6	6
69	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, 6260.	4.1	5
70	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.	3.0	5
71	Genomic characterisation of an <i>mcr-1</i> and <i>mcr-3</i> -producing <i>Escherichia coli</i> strain isolated from pigs in France. <i>Journal of Global Antimicrobial Resistance</i> , 2022, 28, 174-179.	2.2	5
72	Dual infections of two carbapenemase-producing <i>Acinetobacter baumannii</i> clinical strains isolated from the same blood culture sample of a patient in Iran. <i>Antimicrobial Resistance and Infection Control</i> , 2018, 7, 39.	4.1	4

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73	High frequency and diversity of Vancomycin-resistant Enterococci (VRE) in Algerian healthcare settings. <i>Infection, Genetics and Evolution</i> , 2021, 92, 104889.	2.3	4
74	First Genome Description of <i>Providencia vermicola</i> Isolate Bearing NDM-1 from Blood Culture. <i>Microorganisms</i> , 2021, 9, 1751.	3.6	4
75	Prevalence and Antimicrobial Resistance of <i>Paenicostridium sordellii</i> in Hospital Settings. <i>Antibiotics</i> , 2022, 11, 38.	3.7	4
76	First whole genome sequence of <i>Paenalcaligenes suwonensis</i> bearing blaVIM-5 Metallo-β-lactamase: A clinical isolate responsible for acute gastroenteritis. <i>Infection, Genetics and Evolution</i> , 2020, 85, 104513.	2.3	2
77	12/111phiA Prophage Domestication Is Associated with Autoaggregation and Increased Ability to Produce Biofilm in <i>Streptococcus agalactiae</i> . <i>Microorganisms</i> , 2021, 9, 1112.	3.6	2
78	Occurrence of NDM-1 and VIM-2 Co-Producing <i>Escherichia coli</i> and OprD Alteration in <i>Pseudomonas aeruginosa</i> Isolated from Hospital Environment Samples in Northwestern Tunisia. <i>Diagnostics</i> , 2021, 11, 1617.	2.6	2
79	First Isolation and Clinical Case of <i>Brevundimonas diminuta</i> in a Newborn with Low Birth Weight, in Democratic Republic of Congo: A Case Report. <i>Medicina (Lithuania)</i> , 2021, 57, 1227.	2.0	2
80	Genomic features of an isolate of <i>Empedobacter falsenii</i> harbouring a novel variant of metallo-β-lactamase, blaEBR-4 gene. <i>Infection, Genetics and Evolution</i> , 2022, 98, 105234.	2.3	2
81	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.	2.2	1
82	<i>Limosilactobacillus caccae</i> sp. nov., a new bacterial species isolated from the human gut microbiota. <i>FEMS Microbiology Letters</i> , 2021, 368, .	1.8	1
83	Real-Time PCR Assay for Rapid and Simultaneous Detection of vanA and vanB Genes in Clinical Strains. <i>Diagnostics</i> , 2021, 11, 2081.	2.6	1
84	Molecular Characterization of Clinical Carbapenem-Resistant Enterobacteriaceae Isolates from SÅ©tif, Algeria. <i>Microbial Drug Resistance</i> , 2021, , .	2.0	1
85	Reply to Planet et al. <i>Journal of Infectious Diseases</i> , 2016, 214, 1610-1611.	4.0	0
86	<i>Bhargavaea massiliensis</i> sp. nov. and <i>Dietzia massiliensis</i> sp. nov., Novel Bacteria Species Isolated from Human Urine Samples in Nigeria. <i>Current Microbiology</i> , 2022, 79, 18.	2.2	0