

Rania Siam

List of Publications by Year in descending order

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Version: 2024-02-01

48
papers

1,452
citations

304368

22
h-index

329751

37
g-index

49
all docs

49
docs citations

49
times ranked

2468
citing authors

#	ARTICLE	IF	CITATIONS
1	The ocean sampling day consortium. <i>GigaScience</i> , 2015, 4, 27.	3.3	185
2	A global metagenomic map of urban microbiomes and antimicrobial resistance. <i>Cell</i> , 2021, 184, 3376-3393.e17.	13.5	164
3	Cell cycle regulator phosphorylation stimulates two distinct modes of binding at a chromosome replication origin. <i>EMBO Journal</i> , 2000, 19, 1138-1147.	3.5	65
4	Comparative genomics reveals adaptations of a halotolerant thaumarchaeon in the interfaces of brine pools in the Red Sea. <i>ISME Journal</i> , 2015, 9, 396-411.	4.4	60
5	Isolation and characterization of a heavy metal-resistant, thermophilic esterase from a Red Sea Brine Pool. <i>Scientific Reports</i> , 2013, 3, 3358.	1.6	55
6	Core-Shell Silver/Polymeric Nanoparticles-Based Combinatorial Therapy against Breast Cancer In-vitro. <i>Scientific Reports</i> , 2016, 6, 30729.	1.6	55
7	A Dual Binding Site for Integration Host Factor and the Response Regulator CtrA inside the <i>Caulobacter crescentus</i> Replication Origin. <i>Journal of Bacteriology</i> , 2003, 185, 5563-5572.	1.0	52
8	COVID-19 drug practices risk antimicrobial resistance evolution. <i>Lancet Microbe</i> , The, 2021, 2, e135-e136.	3.4	47
9	Unique Prokaryotic Consortia in Geochemically Distinct Sediments from Red Sea Atlantis II and Discovery Deep Brine Pools. <i>PLoS ONE</i> , 2012, 7, e42872.	1.1	45
10	Patterns of ecological specialization among microbial populations in the <i>R</i> -ed <i>S</i> -ea and diverse oligotrophic marine environments. <i>Ecology and Evolution</i> , 2013, 3, 1780-1797.	0.8	45
11	Antimicrobial and Wound-Healing Activities of Graphene-Reinforced Electrospun Chitosan/Gelatin Nanofibrous Nanocomposite Scaffolds. <i>ACS Omega</i> , 2022, 7, 1838-1850.	1.6	41
12	Conserved Response Regulator CtrA and IHF Binding Sites in the $\hat{\pm}$ -Proteobacteria <i>Caulobacter crescentus</i> and <i>Rickettsia prowazekii</i> Chromosomal Replication Origins. <i>Journal of Bacteriology</i> , 2002, 184, 5789-5799.	1.0	40
13	CtrA, a Global Response Regulator, Uses a Distinct Second Category of Weak DNA Binding Sites for Cell Cycle Transcription Control in <i>Caulobacter crescentus</i> . <i>Journal of Bacteriology</i> , 2009, 191, 5458-5470.	1.0	39
14	Distinct domains of <i>Escherichia coli</i> IgaA connect envelope stress sensing and down-regulation of the Rcs phosphorelay across subcellular compartments. <i>PLoS Genetics</i> , 2018, 14, e1007398.	1.5	38
15	Identification of novel conserved functional motifs across most Influenza A viral strains. <i>Virology Journal</i> , 2011, 8, 44.	1.4	36
16	A Novel Mercuric Reductase from the Unique Deep Brine Environment of Atlantis II in the Red Sea. <i>Journal of Biological Chemistry</i> , 2014, 289, 1675-1687.	1.6	36
17	First Insights into the Viral Communities of the Deep-sea Anoxic Brines of the Red Sea. <i>Genomics, Proteomics and Bioinformatics</i> , 2015, 13, 304-309.	3.0	33
18	Fabrication of Poly(vinyl alcohol)/Chitosan/ <i>Bidens pilosa</i> Composite Electrospun Nanofibers with Enhanced Antibacterial Activities. <i>ACS Omega</i> , 2019, 4, 8778-8785.	1.6	33

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19	Glutamate at the phosphorylation site of response regulator CtrA provides essential activities without increasing DNA binding. <i>Nucleic Acids Research</i> , 2003, 31, 1775-1779.	6.5	29
20	Aerobic methanotrophic communities at the Red Sea brine-seawater interface. <i>Frontiers in Microbiology</i> , 2014, 5, 487.	1.5	29
21	The Egyptian Red Sea coastal microbiome: A study revealing differential microbial responses to diverse anthropogenic pollutants. <i>Environmental Pollution</i> , 2016, 214, 892-902.	3.7	27
22	Conserved Gene Cluster at Replication Origins of the $\hat{\Lambda}$ -Proteobacteria <i>Caulobacter crescentus</i> and <i>Rickettsia prowazekii</i> . <i>Journal of Bacteriology</i> , 2001, 183, 1824-1829.	1.0	26
23	Genome Sequence of <i>Haloplasma contractile</i> , an Unusual Contractile Bacterium from a Deep-Sea Anoxic Brine Lake. <i>Journal of Bacteriology</i> , 2011, 193, 4551-4552.	1.0	26
24	Transcriptional activation of the <i>Lats1</i> tumor suppressor gene in tumors of <i>CUX1</i> transgenic mice. <i>Molecular Cancer</i> , 2009, 8, 60.	7.9	21
25	Core Microbial Functional Activities in Ocean Environments Revealed by Global Metagenomic Profiling Analyses. <i>PLoS ONE</i> , 2014, 9, e97338.	1.1	20
26	Novel thermostable antibiotic resistance enzymes from the Atlantis II Deep Red Sea brine pool. <i>Microbial Biotechnology</i> , 2017, 10, 189-202.	2.0	20
27	Prevalence and antimicrobial resistance pattern of bacterial meningitis in Egypt. <i>Annals of Clinical Microbiology and Antimicrobials</i> , 2009, 8, 26.	1.7	19
28	Red Sea Atlantis II brine pool nitrilase with unique thermostability profile and heavy metal tolerance. <i>BMC Biotechnology</i> , 2016, 16, 14.	1.7	19
29	<i>In situ</i> polymerization of polyurethane-silver nanocomposite foams with intact thermal stability, improved mechanical performance, and induced antimicrobial properties. <i>Journal of Applied Polymer Science</i> , 2016, 133, .	1.3	18
30	Antibacterial and anticancer activities of orphan biosynthetic gene clusters from Atlantis II Red Sea brine pool. <i>Microbial Cell Factories</i> , 2019, 18, 56.	1.9	18
31	Novel Inulin Electrospun Composite Nanofibers: Prebiotic and Antibacterial Activities. <i>ACS Omega</i> , 2020, 5, 3006-3015.	1.6	17
32	Egypt's Red Sea coast: phylogenetic analysis of cultured microbial consortia in industrialized sites. <i>Frontiers in Microbiology</i> , 2014, 5, 363.	1.5	16
33	Antibiotic Resistome: Improving Detection and Quantification Accuracy for Comparative Metagenomics. <i>OMICS A Journal of Integrative Biology</i> , 2016, 20, 229-238.	1.0	14
34	Insights into Red Sea Brine Pool Specialized Metabolism Gene Clusters Encoding Potential Metabolites for Biotechnological Applications and Extremophile Survival. <i>Marine Drugs</i> , 2019, 17, 273.	2.2	14
35	Viruses-to-mobile genetic elements skew in the deep Atlantis II brine pool sediments. <i>Scientific Reports</i> , 2016, 6, 32704.	1.6	11
36	Integration of tri-polar microelectrodes for performance enhancement of an impedance biosensor. <i>Sensing and Bio-Sensing Research</i> , 2020, 28, 100329.	2.2	10

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37	New genetic variants of LATS1 detected in urinary bladder and colon cancer. <i>Frontiers in Genetics</i> , 2015, 5, 425.	1.1	9
38	Correlating novel variable and conserved motifs in the Hemagglutinin protein with significant biological functions. <i>Virology Journal</i> , 2008, 5, 91.	1.4	4
39	<i>Schizosaccharomyces pombe</i> Rad4/Cut5 Protein Modification and Chromatin Binding Changes in DNA Damage. <i>DNA and Cell Biology</i> , 2007, 26, 565-575.	0.9	3
40	Insertion sequences enrichment in extreme Red sea brine pool vent. <i>Extremophiles</i> , 2017, 21, 271-282.	0.9	3
41	Microfluidic Platform for Monitoring the Dielectric Parameters of U2OS Cells. , 2019, , .		2
42	The association of group IIB intron with integrons in hypersaline environments. <i>Mobile DNA</i> , 2021, 12, 8.	1.3	2
43	Evaluation of a Thermophilic, Psychrostable, and Heavy Metal-Resistant Red Sea Brine Pool Esterase. <i>Marine Drugs</i> , 2022, 20, 274.	2.2	2
44	Bioprospecting the microbiome of Red Sea Atlantis II brine pool for peptidases and biosynthetic genes with promising antibacterial activity. <i>Microbial Cell Factories</i> , 2022, 21, .	1.9	2
45	Molecular characterization of extended-spectrum- β -lactamases producing <i>Klebsiella pneumoniae</i> and <i>Escherichia coli</i> from hospitalized patients in Oman. <i>BMC Proceedings</i> , 2009, 3, O10.	1.8	1
46	An optimized protocol for high yield expression and purification of an extremophilic protein. <i>Protein Expression and Purification</i> , 2020, 169, 105585.	0.6	1
47	Abundance of integrons in halophilic bacteria. <i>Canadian Journal of Microbiology</i> , 2022, , 1-11.	0.8	0
48	A Developed Micro Electric Impedance Spectroscopy for Biological Cells's™ Electrical Parameters Extraction. , 2021, , .		0