

# Rania Siam

## List of Publications by Year in descending order

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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	Antimicrobial and Wound-Healing Activities of Graphene-Reinforced Electrospun Chitosan/Gelatin Nanofibrous Nanocomposite Scaffolds. ACS Omega, 2022, 7, 1838-1850.	1.6	41
2	Abundance of integrons in halophilic bacteria. Canadian Journal of Microbiology, 2022, , 1-11.	0.8	0
3	Evaluation of a Thermophilic, Psychrostable, and Heavy Metal-Resistant Red Sea Brine Pool Esterase. Marine Drugs, 2022, 20, 274.	2.2	2
4	Bioprospecting the microbiome of Red Sea Atlantis II brine pool for peptidases and biosynthetic genes with promising antibacterial activity. Microbial Cell Factories, 2022, 21, .	1.9	2
5	The association of group IIB intron with integrons in hypersaline environments. Mobile DNA, 2021, 12, 8.	1.3	2
6	COVID-19 drug practices risk antimicrobial resistance evolution. Lancet Microbe, The, 2021, 2, e135-e136.	3.4	47
7	A global metagenomic map of urban microbiomes and antimicrobial resistance. Cell, 2021, 184, 3376-3393.e17.	13.5	164
8	A Developed Micro Electric Impedance Spectroscopy for Biological Cellsâ€™™ Electrical Parameters Extraction. , 2021, , .		0
9	Integration of tri-polar microelectrodes for performance enhancement of an impedance biosensor. Sensing and Bio-Sensing Research, 2020, 28, 100329.	2.2	10
10	Novel Inulin Electrospun Composite Nanofibers: Prebiotic and Antibacterial Activities. ACS Omega, 2020, 5, 3006-3015.	1.6	17
11	An optimized protocol for high yield expression and purification of an extremophilic protein. Protein Expression and Purification, 2020, 169, 105585.	0.6	1
12	Fabrication of Poly(vinyl alcohol)/Chitosan/<i>Bidens pilosa</i> Composite Electrospun Nanofibers with Enhanced Antibacterial Activities. ACS Omega, 2019, 4, 8778-8785.	1.6	33
13	Insights into Red Sea Brine Pool Specialized Metabolism Gene Clusters Encoding Potential Metabolites for Biotechnological Applications and Extremophile Survival. Marine Drugs, 2019, 17, 273.	2.2	14
14	Antibacterial and anticancer activities of orphan biosynthetic gene clusters from Atlantis II Red Sea brine pool. Microbial Cell Factories, 2019, 18, 56.	1.9	18
15	Microfluidic Platform for Monitoring the Dielectric Parameters of U2OS Cells. , 2019, , .		2
16	Distinct domains of Escherichia coli IgaA connect envelope stress sensing and down-regulation of the Rcs phosphorelay across subcellular compartments. PLoS Genetics, 2018, 14, e1007398.	1.5	38
17	Novel thermostable antibiotic resistance enzymes from the Atlantis II Deep Red Sea brine pool. Microbial Biotechnology, 2017, 10, 189-202.	2.0	20
18	Insertion sequences enrichment in extreme Red sea brine pool vent. Extremophiles, 2017, 21, 271-282.	0.9	3

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19	Antibiotic Resistome: Improving Detection and Quantification Accuracy for Comparative Metagenomics. OMICS A Journal of Integrative Biology, 2016, 20, 229-238.	1.0	14
20	The Egyptian Red Sea coastal microbiome: A study revealing differential microbial responses to diverse anthropogenic pollutants. Environmental Pollution, 2016, 214, 892-902.	3.7	27
21	Core-Shell Silver/Polymeric Nanoparticles-Based Combinatorial Therapy against Breast Cancer In-vitro. Scientific Reports, 2016, 6, 30729.	1.6	55
22	Viruses-to-mobile genetic elements skew in the deep Atlantis II brine pool sediments. Scientific Reports, 2016, 6, 32704.	1.6	11
23	Red Sea Atlantis II brine pool nitrilase with unique thermostability profile and heavy metal tolerance. BMC Biotechnology, 2016, 16, 14.	1.7	19
24	<i>In situ</i> polymerization of polyurethane-silver nanocomposite foams with intact thermal stability, improved mechanical performance, and induced antimicrobial properties. Journal of Applied Polymer Science, 2016, 133, .	1.3	18
25	First Insights into the Viral Communities of the Deep-sea Anoxic Brines of the Red Sea. Genomics, Proteomics and Bioinformatics, 2015, 13, 304-309.	3.0	33
26	New genetic variants of LATS1 detected in urinary bladder and colon cancer. Frontiers in Genetics, 2015, 5, 425.	1.1	9
27	The ocean sampling day consortium. GigaScience, 2015, 4, 27.	3.3	185
28	Comparative genomics reveals adaptations of a halotolerant thaumarchaeon in the interfaces of brine pools in the Red Sea. ISME Journal, 2015, 9, 396-411.	4.4	60
29	Core Microbial Functional Activities in Ocean Environments Revealed by Global Metagenomic Profiling Analyses. PLoS ONE, 2014, 9, e97338.	1.1	20
30	Egypt's Red Sea coast: phylogenetic analysis of cultured microbial consortia in industrialized sites. Frontiers in Microbiology, 2014, 5, 363.	1.5	16
31	Aerobic methanotrophic communities at the Red Sea brine-seawater interface. Frontiers in Microbiology, 2014, 5, 487.	1.5	29
32	A Novel Mercuric Reductase from the Unique Deep Brine Environment of Atlantis II in the Red Sea. Journal of Biological Chemistry, 2014, 289, 1675-1687.	1.6	36
33	Patterns of ecological specialization among microbial populations in the reduced and diverse oligotrophic marine environments. Ecology and Evolution, 2013, 3, 1780-1797.	0.8	45
34	Isolation and characterization of a heavy metal-resistant, thermophilic esterase from a Red Sea Brine Pool. Scientific Reports, 2013, 3, 3358.	1.6	55
35	Unique Prokaryotic Consortia in Geochemically Distinct Sediments from Red Sea Atlantis II and Discovery Deep Brine Pools. PLoS ONE, 2012, 7, e42872.	1.1	45
36	Identification of novel conserved functional motifs across most Influenza A viral strains. Virology Journal, 2011, 8, 44.	1.4	36

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37	Genome Sequence of Haloplasma contractile, an Unusual Contractile Bacterium from a Deep-Sea Anoxic Brine Lake. <i>Journal of Bacteriology</i> , 2011, 193, 4551-4552.	1.0	26
38	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
39	Prevalence and antimicrobial resistance pattern of bacterial meningitis in Egypt. <i>Annals of Clinical Microbiology and Antimicrobials</i> , 2009, 8, 26.	1.7	19
40	Transcriptional activation of the Lats1 tumor suppressor gene in tumors of CUX1 transgenic mice. <i>Molecular Cancer</i> , 2009, 8, 60.	7.9	21
41	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
42	Correlating novel variable and conserved motifs in the Hemagglutinin protein with significant biological functions. <i>Virology Journal</i> , 2008, 5, 91.	1.4	4
43	<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
44	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
45	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
46	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
47	Conserved Gene Cluster at Replication Origins of the $\hat{\pm}$ -Proteobacteria <i>Caulobacter crescentus</i> and <i>Rickettsia prowazekii</i> . <i>Journal of Bacteriology</i> , 2001, 183, 1824-1829.	1.0	26
48	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