Aymen S Yassin

List of Publications by Year
in descending order

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41 papers	1,340 citations	361413 20 h-index	361022 35 g-index
41 all docs	41 docs citations	41 times ranked	1848 citing authors

#	Article	IF	Citations
1	Ribosomal peptidyl transferase can withstand mutations at the putative catalytic nucleotide. Nature, 2001, 411, 498-501.	27.8	185
2	Laccase production by Pleurotus ostreatus and its application in synthesis of gold nanoparticles. Biotechnology Reports (Amsterdam, Netherlands), 2015, 5, 31-39.	4.4	157
3	Monolithic microfluidic mixingâ€“spraying devices for time-resolved cryo-electron microscopy. Journal of Structural Biology, 2009, 168, 388-395.	2.8	77
4	Deleterious mutations in small subunit ribosomal RNA identify functional sites and potential targets for antibiotics. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 16620-16625.	7.1	76
5	Optimization of prodigiosin production by Serratia marcescens using crude glycerol and enhancing production using gamma radiation. Biotechnology Reports (Amsterdam, Netherlands), 2017, 14, 47-53.	4.4	76
6	Biofilm formation in enterococci: genotype-phenotype correlations and inhibition by vancomycin. Scientific Reports, 2017, 7, 5733.	3.3	69
7	Viral etiologies of lower respiratory tract infections among Egyptian children under five years of age. BMC Infectious Diseases, 2012, 12, 350.	2.9	60
8	Acinetobacter baumannii universal stress protein A plays a pivotal role in stress response and is essential for pneumonia and sepsis pathogenesis. International Journal of Medical Microbiology, 2015, 305, 114-123.	3.6	52
9	Insertion domain within mammalian mitochondrial translation initiation factor 2 serves the role of eubacterial initiation factor 1. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 3918-3923.	7.1	51
10	Optimization of rhamnolipid production by biodegrading bacterial isolates using Plackettâ€“Burman design. International Journal of Biological Macromolecules, 2016, 82, 573-579.	7.5	51
11	Utilization of Crude Glycerol as a Substrate for the Production of Rhamnolipid by Pseudomonas aeruginosa. Biotechnology Research International, 2016, 2016, 1-9.	1.4	47
12	Initial bridges between two ribosomal subunits are formed within 9.4 milliseconds, as studied by time-resolved cryo-EM. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 9822-9827.	7.1	40
13	Fluoroquinolone resistant mechanisms in methicillin-resistant Staphylococcus aureus clinical isolates in Cairo, Egypt. Journal of Infection in Developing Countries, 2013, 7, 796-803.	1.2	37
14	Potential New Antibiotic Sites in the Ribosome Revealed by Deleterious Mutations in RNA of the Large Ribosomal Subunit. Journal of Biological Chemistry, 2007, 282, 24329-24342.	3.4	36
15	Comparative Genome-Scale Metabolic Modeling of Metallo-Beta-Lactamaseâ€“Producing Multidrug-Resistant Klebsiella pneumoniae Clinical Isolates. Frontiers in Cellular and Infection Microbiology, 2019, 9, 161.	3.9	33
16	Structureï£¿Activity Relationships of Antimicrobial Gallic Acid Derivatives from Pomegranate and Acacia Fruit Extracts against Potato Bacterial Wilt Pathogen. Chemistry and Biodiversity, 2015, 12, 955-962.	2.1	28
17	A novel protocol for bacterial ghostsâ€™ preparation using tween 80. Saudi Pharmaceutical Journal, 2018, 26, 232-237.	2.7	27
18	Gas-assisted annular microsprayer for sample preparation for time-resolved cryo-electron microscopy. Journal of Micromechanics and Microengineering, 2014, 24, 115001.	2.6	26

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19	Chlorhexidine leads to the evolution of antibiotic-resistant Pseudomonas aeruginosa. European Journal of Clinical Microbiology and Infectious Diseases, 2021, 40, 2349-2361.	2.9	25
20	Draft Genome Sequences of Four Metallo-Beta-Lactamase-Producing Multidrug-Resistant Klebsiella pneumoniae Clinical Isolates, Including Two Colistin-Resistant Strains, from Cairo, Egypt. Microbiology Resource Announcements, 2019, 8, .	0.6	23
21	Digging Deeper into Precision/Personalized Medicine: Cracking the Sugar Code, the Third Alphabet of Life, and Sociomateriality of the Cell. OMICS A Journal of Integrative Biology, 2020, 24, 62-80.	2.0	21
22	The secretome of Acinetobacter baumannii ATCC 17978 type II secretion system reveals a novel plasmid encoded phospholipase that could be implicated in lung colonization. International Journal of Medical Microbiology, 2016, 306, 633-641.	3.6	18
23	A molecular investigative approach to an outbreak of acute hemorrhagic conjunctivitis in Egypt, October 2010. Virology Journal, 2013, 10, 96.	3.4	17
24	Phenotype-Genotype Characterization and Antibiotic-Resistance Correlations Among Colonizing and Infectious Methicillin-Resistant Staphylococcus aureus Recovered from Intensive Care Units. Infection and Drug Resistance, 2021, Volume 14, 1557-1571.	2.7	15
25	Salmonella-innovative targeting carrier: Loading with doxorubicin for cancer treatment. Saudi Pharmaceutical Journal, 2020, 28, 1253-1262.	2.7	11
26	Detection, Characterization, and Molecular Typing of HumanMycoplasmaspp. from Major Hospitals in Cairo, Egypt. Scientific World Journal, The, 2014, 2014, 1-6.	2.1	10
27	High-throughput molecular identification of Staphylococcus spp. isolated from a clean room facility in an environmental monitoring program. BMC Research Notes, 2010, 3, 278.	1.4	9
28	The Nile River Microbiome Reveals a Remarkably Stable Community Between Wet and Dry Seasons, and Sampling Sites, in a Large Urban Metropolis (Cairo, Egypt). OMICS A Journal of Integrative Biology, 2018, 22, 553-564.	2.0	8
29	Structure and function of organellar ribosomes as revealed by cryo-EM. , 2011, , 83-96.		8
30	Emergence of Neoteric Serotypes Among Multidrug Resistant Strains of Streptococcus pneumoniae Prevalent in Egypt. Jundishapur Journal of Microbiology, 2016, 9, e30708.	0.5	7
31	The Application of Uniplex, Duplex, and Multiplex PCR for the Absence of Specified Microorganism Testing of Pharmaceutical Excipients and Drug Products. PDA Journal of Pharmaceutical Science and Technology, 2012, 66, 307-317.	0.5	6
32	An Efficient Method for Endotoxin Removal from Snake Antivenoms. Chromatographia, 2020, 83, 779-787.	1.3	5
33	Spatiotemporal Analysis of the Water and Sediment Nile Microbial Community Along an Urban Metropolis. Microbial Ecology, 2021, 82, 288-298.	2.8	5
34	Computational Exploration of Structural Hypotheses for an Additional Sequence in a Mammalian Mitochondrial Protein. PLoS ONE, 2011, 6, e21871.	2.5	5
35	Detection of AmpC beta-lactamases using sodium salicylate. Journal of Microbiological Methods, 2012, 91, 354-357.	1.6	4
36	A Validation Study of the Limulus Amebocyte Lysate Test as an End-Product Endotoxin Test for Polyvalent Horse Snake Antivenom. PDA Journal of Pharmaceutical Science and Technology, 2019, 73, 562-571.	0.5	4

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37	Immunological characterization of the chemically prepared ghosts of Salmonella Typhimurium as a vaccine candidate. BMC Veterinary Research, 2022, 18, 72.	1.9	4
38	Development and evaluation of a novel vaccine against prevalent invasive multi-drug resistant strains ofStreptococcus pneumoniae. PeerJ, 2016, 4, e2737.	2.0	3
39	Draft genome sequence of a prodigiosin-hyperproducing Serratia marcescens strain isolated from Cairo, Egypt. G3: Genes, Genomes, Genetics, 2021, 11, .	1.8	2
40	Association of Polymorphism in Survivin Gene and the Risk of Liver Cancer Resulting from Hepatitis C Virus Among Egyptian Patients. Current Cancer Drug Targets, 2021, 21, 536-543.	1.6	2
41	Quality Control Testing for Tracking Endotoxin-Producing Gram-Negative Bacteria during the Preparation of Polyvalent Snake Antivenom Immunoglobulin. PDA Journal of Pharmaceutical Science and Technology, 2015, 69, 499-510.	0.5	0