

# Jamal S M Sabir

## List of Publications by Year in descending order

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Version: 2024-02-01

53  
papers

2,047  
citations

279487

23  
h-index

264894

42  
g-index

53  
all docs

53  
docs citations

53  
times ranked

2926  
citing authors

#	ARTICLE	IF	CITATIONS
1	Co-circulation of three camel coronavirus species and recombination of MERS-CoVs in Saudi Arabia. <i>Science</i> , 2016, 351, 81-84.	6.0	365
2	Plastid genome sequences of legumes reveal parallel inversions and multiple losses of <i>rps16</i> in papilionoids. <i>Journal of Systematics and Evolution</i> , 2015, 53, 458-468.	1.6	125
3	Mimosoid legume plastome evolution: IR expansion, tandem repeat expansions and accelerated rate of evolution in <i>clpP</i> . <i>Scientific Reports</i> , 2015, 5, 16958.	1.6	125
4	The Earth BioGenome Project 2020: Starting the clock. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, .	3.3	124
5	Recombination-dependent replication and gene conversion homogenize repeat sequences and diversify plastid genome structure. <i>American Journal of Botany</i> , 2017, 104, 559-572.	0.8	86
6	Dynamic evolution of <i>Geranium</i> mitochondrial genomes through multiple horizontal and intracellular gene transfers. <i>New Phytologist</i> , 2015, 208, 570-583.	3.5	84
7	A novel thiol-reductase activity of <i>Arabidopsis</i> YUC6 confers drought tolerance independently of auxin biosynthesis. <i>Nature Communications</i> , 2015, 6, 8041.	5.8	82
8	Contrasting Patterns of Nucleotide Substitution Rates Provide Insight into Dynamic Evolution of Plastid and Mitochondrial Genomes of <i>Geranium</i> . <i>Genome Biology and Evolution</i> , 2017, 9, 1766-1780.	1.1	62
9	Coordinated Rates of Evolution between Interacting Plastid and Nuclear Genes in Geraniaceae. <i>Plant Cell</i> , 2015, 27, 563-573.	3.1	57
10	Plastome Sequencing of Ten Nonmodel Crop Species Uncovers a Large Insertion of Mitochondrial DNA in Cashew. <i>Plant Genome</i> , 2017, 10, plantgenome2017.03.0020.	1.6	56
11	Coevolution between Nuclear-Encoded DNA Replication, Recombination, and Repair Genes and Plastid Genome Complexity. <i>Genome Biology and Evolution</i> , 2016, 8, 622-634.	1.1	51
12	Evolution of the Plastid Genomes in Diatoms. <i>Advances in Botanical Research</i> , 2018, 85, 129-155.	0.5	51
13	Exploring the tertiary gene pool of bread wheat: sequence assembly and analysis of chromosome 5M <sup>g</sup> of <i>Aegilops geniculata</i> . <i>Plant Journal</i> , 2015, 84, 733-746.	2.8	48
14	Divergence of RNA polymerase $\beta$ subunits in angiosperm plastid genomes is mediated by genomic rearrangement. <i>Scientific Reports</i> , 2016, 6, 24595.	1.6	47
15	Plastome-Wide Nucleotide Substitution Rates Reveal Accelerated Rates in Papilionoideae and Correlations with Genome Features Across Legume Subfamilies. <i>Journal of Molecular Evolution</i> , 2017, 84, 187-203.	0.8	45
16	Facile Bio-Fabrication of Ag-Cu-Co Trimetallic Nanoparticles and Its Fungicidal Activity against <i>Candida auris</i> . <i>Journal of Fungi</i> (Basel, Switzerland), 2021, 7, 62.	1.5	37
17	Efficacy of commercial vaccines against newly emerging avian influenza H5N8 virus in Egypt. <i>Scientific Reports</i> , 2018, 8, 9697.	1.6	36
18	Synthesis of Infant Formula Fat Analogs Enriched with DHA from Extra Virgin Olive Oil and Tripalmitin. <i>JAACS, Journal of the American Oil Chemists' Society</i> , 2013, 90, 1311-1318.	0.8	32

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19	Environmental stress activation of plant long-terminal repeat retrotransposons. <i>Functional Plant Biology</i> , 2014, 41, 557.	1.1	32
20	Multigene Assessment of Biodiversity of Diatom(Bacillariophyceae) Assemblages from the Littoral Zone of the Bohai and Yellow Seas in Yantai Region of Northeast China with some Remarks on Ubiquitous Taxa. <i>Journal of Coastal Research</i> , 2016, 74, 166-195.	0.1	32
21	Transcriptomic and metabolic responses of <i>Calotropis procera</i> to salt and drought stress. <i>BMC Plant Biology</i> , 2017, 17, 231.	1.6	30
22	Potential Adjuvant Therapeutic Effect of <i>Lactobacillus plantarum</i> Probio-88 Postbiotics against SARS-COV-2. <i>Vaccines</i> , 2021, 9, 1067.	2.1	29
23	New Insights into Plagiogrammaceae (Bacillariophyta) Based on Multigene Phylogenies and Morphological Characteristics with the Description of a New Genus and Three New Species. <i>PLoS ONE</i> , 2015, 10, e0139300.	1.1	29
24	Transcriptomic analysis of salt stress responsive genes in <i>Rhazya stricta</i> . <i>PLoS ONE</i> , 2017, 12, e0177589.	1.1	27
25	The nuclear genome of <i>Rhazya stricta</i> and the evolution of alkaloid diversity in a medically relevant clade of Apocynaceae. <i>Scientific Reports</i> , 2016, 6, 33782.	1.6	26
26	Enrichment of Refined Olive Oil with Palmitic and Docosahexaenoic Acids to Produce a Human Milk Fat Analogue. <i>JAOCS, Journal of the American Oil Chemists' Society</i> , 2014, 91, 1377-1385.	0.8	25
27	Identification of key regulatory genes connected to NF- $\kappa$ B family of proteins in visceral adipose tissues using gene expression and weighted protein interaction network. <i>PLoS ONE</i> , 2019, 14, e0214337.	1.1	23
28	Phytogenic Fabrication of Ag-Fe Bimetallic Nanoparticles for Cell Cycle Arrest and Apoptosis Signaling Pathways in <i>Candida auris</i> by Generating Oxidative Stress. <i>Antioxidants</i> , 2021, 10, 182.	2.2	23
29	Insect diversity in the Saharo-Arabian region: Revealing a little-studied fauna by DNA barcoding. <i>PLoS ONE</i> , 2018, 13, e0199965.	1.1	21
30	Combination Effect of Novel Bimetallic Ag-Ni Nanoparticles with Fluconazole against <i>Candida albicans</i> . <i>Journal of Fungi (Basel, Switzerland)</i> , 2022, 8, 733.	1.5	20
31	Replication of GWAS loci revealed the moderate effect of <i>TNRC6B</i> locus on susceptibility of Saudi women to develop uterine leiomyomas. <i>Journal of Obstetrics and Gynaecology Research</i> , 2017, 43, 330-338.	0.6	18
32	Dissecting the Role of NF- $\kappa$ B Protein Family and Its Regulators in Rheumatoid Arthritis Using Weighted Gene Co-Expression Network. <i>Frontiers in Genetics</i> , 2019, 10, 1163.	1.1	18
33	Phylogenetic analysis and a review of the history of the accidental phytoplankter, <i>Phaeodactylum tricornutum</i> Bohlin (Bacillariophyta). <i>PLoS ONE</i> , 2018, 13, e0196744.	1.1	17
34	Phytochemical Screening of <i>Rosmarinus officinalis</i> L. as a Potential Anticholinesterase and Antioxidant Medicinal Plant for Cognitive Decline Disorders. <i>Plants</i> , 2022, 11, 514.	1.6	16
35	CRISPR-based systems for sensitive and rapid on-site COVID-19 diagnostics. <i>Trends in Biotechnology</i> , 2022, 40, 1346-1360.	4.9	16
36	Retrotransposon-based molecular markers for assessment of genomic diversity. <i>Functional Plant Biology</i> , 2014, 41, 781.	1.1	13

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37	Molecular Modeling of Chemosensory Protein 3 from <i>Spodoptera litura</i> and Its Binding Property with Plant Defensive Metabolites. <i>International Journal of Molecular Sciences</i> , 2020, 21, 4073.	1.8	13
38	Biogenic ZnO Nanoparticles Synthesized from <i>Origanum vulgare</i> Abrogates Quorum Sensing and Biofilm Formation in Opportunistic Pathogen <i>Chromobacterium violaceum</i> . <i>Pharmaceutics</i> , 2021, 13, 1743.	2.0	13
39	<i>Beta vulgaris</i> Assisted Fabrication of Novel Ag-Cu Bimetallic Nanoparticles for Growth Inhibition and Virulence in <i>Candida albicans</i> . <i>Pharmaceutics</i> , 2021, 13, 1957.	2.0	12
40	Cheminformatics studies to analyze the therapeutic potential of phytochemicals from <i>Rhazya stricta</i> . <i>Chemistry Central Journal</i> , 2017, 11, 11.	2.6	10
41	Development of an effective contemporary trivalent avian influenza vaccine against circulating H5N1, H5N8, and H9N2 in Egypt. <i>Poultry Science</i> , 2019, 98, 6289-6295.	1.5	9
42	<i>ACE</i> insertion/deletion genetic polymorphism, serum <i>ACE</i> levels and high dietary salt intake influence the risk of obesity development among the Saudi adult population. <i>JRAAS - Journal of the Renin-Angiotensin-Aldosterone System</i> , 2019, 20, 147032031987094.	1.0	9
43	Genome-Driven Discovery of Enzymes with Industrial Implications from the Genus <i>Aneurinibacillus</i> . <i>Microorganisms</i> , 2021, 9, 499.	1.6	9
44	Draft Genome Sequence of <i>Bacillus</i> Species from the Rhizosphere of the Desert Plant <i>Rhazya stricta</i> . <i>Genome Announcements</i> , 2015, 3, .	0.8	7
45	Potential Antiviral Activity of <i>Lactiplantibacillus plantarum</i> KAU007 against Influenza Virus H1N1. <i>Vaccines</i> , 2022, 10, 456.	2.1	6
46	Multigene phylogenetic data place monoraphid diatoms <i>Schizostauron</i> and <i>Astartiella</i> along with other <i>fistula</i> -bearing genera in the Stauroneidaceae 1. <i>Journal of Phycology</i> , 2021, 57, 1472-1491.	1.0	5
47	Mitochondrial and Plastid Genomes of the Monoraphid Diatom <i>Schizostauron trachyderma</i> . <i>International Journal of Molecular Sciences</i> , 2021, 22, 11139.	1.8	5
48	Dual role of histone variant H3.3B in spermatogenesis: positive regulation of piRNA transcription and implication in X-chromosome inactivation. <i>Nucleic Acids Research</i> , 2022, 50, 7350-7366.	6.5	5
49	Vaccine against Middle East respiratory syndrome coronavirus. <i>Lancet Infectious Diseases</i> , The, 2019, 19, 1053-1054.	4.6	4
50	Triazole Derivatives Target 14 $\alpha$ -Demethylase (LDM) Enzyme in <i>Candida albicans</i> Causing Ergosterol Biosynthesis Inhibition. <i>Journal of Fungi</i> (Basel, Switzerland), 2022, 8, 688.	1.5	4
51	Anti-bacterial activity of <i>Ricinus communis</i> L. against bacterial pathogens <i>Escherichia coli</i> and <i>Klebsiella oxytoca</i> as evaluated by Transmission electron microscopy. <i>Biotechnology and Biotechnological Equipment</i> , 2018, 32, 686-691.	0.5	3
52	Attitudes Toward Psychological Disorders and Alternative Medicine in Saudi Participants. <i>Frontiers in Psychiatry</i> , 2021, 12, 577103.	1.3	3
53	Antidepressant-Like Effect of Traditional Medicinal Plant <i>Carthamus Tinctorius</i> in Mice Model through Neuro-Behavioral Tests and Transcriptomic Approach. <i>Applied Sciences</i> (Switzerland), 2022, 12, 5594.	1.3	2