

Habiba S Al Safar

List of Publications by Year in descending order

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Version: 2024-02-01

96
papers

1,828
citations

279701

23
h-index

360920

35
g-index

97
all docs

97
docs citations

97
times ranked

2564
citing authors

#	ARTICLE	IF	CITATIONS
1	Detection and quantification of SARS-CoV-2 RNA in wastewater and treated effluents: Surveillance of COVID-19 epidemic in the United Arab Emirates. <i>Science of the Total Environment</i> , 2021, 764, 142929.	3.9	129
2	Algae biotechnology for industrial wastewater treatment, bioenergy production, and high-value bioproducts. <i>Science of the Total Environment</i> , 2022, 806, 150585.	3.9	100
3	The power of synthetic biology for bioproduction, remediation and pollution control. <i>EMBO Reports</i> , 2018, 19, .	2.0	83
4	Clinical profiles, comorbidities and complications of type 2 diabetes mellitus in patients from United Arab Emirates. <i>BMJ Open Diabetes Research and Care</i> , 2017, 5, e000427.	1.2	67
5	COVID-19 Disease Severity and Death in Relation to Vitamin D Status among SARS-CoV-2-Positive UAE Residents. <i>Nutrients</i> , 2021, 13, 1714.	1.7	60
6	Identifying Common Genetic Risk Factors of Diabetic Neuropathies. <i>Frontiers in Endocrinology</i> , 2015, 6, 88.	1.5	56
7	FTO m6A Demethylase in Obesity and Cancer: Implications and Underlying Molecular Mechanisms. <i>International Journal of Molecular Sciences</i> , 2022, 23, 3800.	1.8	54
8	Upregulation of oxidative stress gene markers during SARS-COV-2 viral infection. <i>Free Radical Biology and Medicine</i> , 2021, 172, 688-698.	1.3	53
9	Types of tobacco consumption and the oral microbiome in the United Arab Emirates Healthy Future (UAEHFS) Pilot Study. <i>Scientific Reports</i> , 2018, 8, 11327.	1.6	51
10	An insight into the paradigms of osteoporosis: From genetics to biomechanics. <i>Bone Reports</i> , 2019, 11, 100216.	0.2	48
11	The pattern of substance use disorder in the United Arab Emirates in 2015: results of a National Rehabilitation Centre cohort study. <i>Substance Abuse Treatment, Prevention, and Policy</i> , 2016, 11, 19.	1.0	47
12	Enhanced expression of immune checkpoint receptors during SARS-CoV-2 viral infection. <i>Molecular Therapy - Methods and Clinical Development</i> , 2021, 20, 109-121.	1.8	41
13	Inhibition of Human Amylin Aggregation and Cellular Toxicity by Lipoic Acid and Ascorbic Acid. <i>Molecular Pharmaceutics</i> , 2018, 15, 2098-2106.	2.3	39
14	A 1000 Arab genome project to study the Emirati population. <i>Journal of Human Genetics</i> , 2018, 63, 533-536.	1.1	35
15	Vitamin D receptor gene polymorphisms among Emirati patients with type 2 diabetes mellitus. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2018, 175, 119-124.	1.2	35
16	The UAE healthy future study: a pilot for a prospective cohort study of 20,000 United Arab Emirates nationals. <i>BMC Public Health</i> , 2018, 18, 101.	1.2	32
17	Patterns of tobacco use in the United Arab Emirates Healthy Future (UAEHFS) pilot study. <i>PLoS ONE</i> , 2018, 13, e0198119.	1.1	32
18	Detection and removal of waterborne enteric viruses from wastewater: A comprehensive review. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 105613.	3.3	31

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19	The prevalence of Type 2 Diabetes Mellitus in the United Arab Emirates: justification for the establishment of the Emirates Family Registry. <i>International Journal of Diabetes in Developing Countries</i> , 2012, 32, 25-32.	0.3	28
20	A Genome-Wide Search for Type 2 Diabetes Susceptibility Genes in an Extended Arab Family. <i>Annals of Human Genetics</i> , 2013, 77, 488-503.	0.3	28
21	Multiple genetic variations confer risks for obesity and type 2 diabetes mellitus in arab descendants from UAE. <i>International Journal of Obesity</i> , 2018, 42, 1345-1353.	1.6	26
22	Genome-wide association study of hospitalized COVID-19 patients in the United Arab Emirates. <i>EBioMedicine</i> , 2021, 74, 103695.	2.7	26
23	Relationship between MTHFR C677T and A1298C gene polymorphisms and complications of type 2 diabetes mellitus in an Emirati population. <i>Meta Gene</i> , 2016, 9, 70-75.	0.3	25
24	Introducing the first whole genomes of nationals from the United Arab Emirates. <i>Scientific Reports</i> , 2019, 9, 14725.	1.6	24
25	Similar effectiveness of the inactivated vaccine BBIBP-CorV (Sinopharm) and the mRNA vaccine BNT162b2 (Pfizer-BioNTech) against COVID-19 related hospitalizations during the Delta outbreak in the UAE. <i>Journal of Travel Medicine</i> , 2022, 29, .	1.4	24
26	Establishing a genetic link between FTO and VDR gene polymorphisms and obesity in the Emirati population. <i>BMC Medical Genetics</i> , 2018, 19, 11.	2.1	23
27	Genetic Associations With Diabetic Retinopathy and Coronary Artery Disease in Emirati Patients With Type-2 Diabetes Mellitus. <i>Frontiers in Endocrinology</i> , 2019, 10, 283.	1.5	21
28	Immune response to SARS-CoV-2 variants: A focus on severity, susceptibility, and preexisting immunity. <i>Journal of Infection and Public Health</i> , 2022, 15, 277-288.	1.9	21
29	Association of Diabetes Related Complications with Heart Rate Variability among a Diabetic Population in the UAE. <i>PLoS ONE</i> , 2017, 12, e0168584.	1.1	20
30	Associations between Genetic Variants in the Vitamin D Metabolism Pathway and Severity of COVID-19 among UAE Residents. <i>Nutrients</i> , 2021, 13, 3680.	1.7	20
31	Gut Microbiota Interplay With COVID-19 Reveals Links to Host Lipid Metabolism Among Middle Eastern Populations. <i>Frontiers in Microbiology</i> , 2021, 12, 761067.	1.5	20
32	Association of the Genetic Polymorphisms in Transcription Factor 7-Like 2 and Peroxisome Proliferator-Activated Receptors- α 2 with Type 2 Diabetes Mellitus and Its Interaction with Obesity Status in Emirati Population. <i>Journal of Diabetes Research</i> , 2015, 2015, 1-8.	1.0	19
33	Effectiveness of BBIBP-CorV vaccine against severe outcomes of COVID-19 in Abu Dhabi, United Arab Emirates. <i>Nature Communications</i> , 2022, 13, .	5.8	19
34	Novel dynamic peak and distribution plantar pressure measures on diabetic patients during walking. <i>Gait and Posture</i> , 2017, 51, 261-267.	0.6	18
35	Genetic Diversity and Low Stratification of the Population of the United Arab Emirates. <i>Frontiers in Genetics</i> , 2020, 11, 608.	1.1	18
36	Systems Immunology Analysis Reveals the Contribution of Pulmonary and Extrapulmonary Tissues to the Immunopathogenesis of Severe COVID-19 Patients. <i>Frontiers in Immunology</i> , 2021, 12, 595150.	2.2	18

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37	Association of Angiotensin Converting Enzyme Insertion-Deletion Polymorphism with Hypertension in Emiratis with Type 2 Diabetes Mellitus and Its Interaction with Obesity Status. <i>Disease Markers</i> , 2015, 2015, 1-7.	0.6	16
38	Population genetics data for 21 autosomal STR loci for United Arab Emirates (UAE) population using next generation multiplex STR kit. <i>Forensic Science International: Genetics</i> , 2015, 19, 190-191.	1.6	14
39	Y-Chromosome haplotypes reveal relationships between populations of the Arabian Peninsula, North Africa and South Asia. <i>Annals of Human Biology</i> , 2017, 44, 738-746.	0.4	14
40	Implication of genetic variants in overweight and obesity susceptibility among the young Arab population of the United Arab Emirates. <i>Gene</i> , 2020, 739, 144509.	1.0	14
41	Silver Nanoparticle-Loaded Contact Lenses for Blue-Yellow Color Vision Deficiency. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2022, 219, 2100294.	0.8	14
42	Frequency of rs731236 (TaqI), rs2228570 (FokI) of Vitamin-D Receptor (VDR) gene in Emirati healthy population. <i>Meta Gene</i> , 2015, 6, 49-52.	0.3	13
43	Clinical and genetic associations of renal function and diabetic kidney disease in the United Arab Emirates: a cross-sectional study. <i>BMJ Open</i> , 2018, 8, e020759.	0.8	13
44	Impact of Endometriosis in Women of Arab Ancestry on: Health-Related Quality of Life, Work Productivity, and Diagnostic Delay. <i>Frontiers in Global Women S Health</i> , 2021, 2, 708410.	1.1	13
45	Incense Burning is Associated with Human Oral Microbiota Composition. <i>Scientific Reports</i> , 2019, 9, 10039.	1.6	12
46	Autosomal Short Tandem Repeat (STR) Variation Based on 15 Loci in a Population from the Central Region (Riyadh Province) of Saudi Arabia. <i>Journal of Forensics Research</i> , 2015, 06, .	0.1	11
47	Ultrasound-mediated drug delivery by gas bubbles generated from a chemical reaction. <i>Journal of Drug Targeting</i> , 2018, 26, 172-181.	2.1	11
48	Immune Profiling of COVID-19 in Correlation with SARS and MERS. <i>Viruses</i> , 2022, 14, 164.	1.5	11
49	An overview of biodegradable poly (lactic acid) production from fermentative lactic acid for biomedical and bioplastic applications. <i>Biomass Conversion and Biorefinery</i> , 2024, 14, 3057-3076.	2.9	11
50	A deep learning-driven low-power, accurate, and portable platform for rapid detection of COVID-19 using reverse-transcription loop-mediated isothermal amplification. <i>Scientific Reports</i> , 2022, 12, 4132.	1.6	11
51	Evaluation of different sources of DNA for use in genome wide studies and forensic application. <i>Applied Microbiology and Biotechnology</i> , 2011, 89, 807-815.	1.7	10
52	Major histocompatibility complex (MHC) associations with diseases in ethnic groups of the Arabian Peninsula. <i>Immunogenetics</i> , 2021, 73, 131-152.	1.2	10
53	Evolution, Ecology, and Zoonotic Transmission of Betacoronaviruses: A Review. <i>Frontiers in Veterinary Science</i> , 2021, 8, 644414.	0.9	10
54	Combined association analysis of interleukin 1-receptor antagonist (IL-1RN) variable number of tandem repeat (VNTR) and Haptoglobin 1/2 polymorphisms with type 2 diabetes mellitus risk. <i>Journal of Diabetes and Metabolic Disorders</i> , 2015, 15, 10.	0.8	9

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55	Stratified analyses of genome wide association study data reveal haplotypes for a candidate gene on chromosome 2 (KIAA1211L) is associated with opioid use in patients of Arabian descent. <i>BMC Psychiatry</i> , 2020, 20, 41.	1.1	9
56	A Population-Specific Major Allele Reference Genome From The United Arab Emirates Population. <i>Frontiers in Genetics</i> , 2021, 12, 660428.	1.1	9
57	HLA repertoire of 115 UAE nationals infected with SARS-CoV-2. <i>Human Immunology</i> , 2022, 83, 1-9.	1.2	9
58	Harnessing Structural Data of Insulin and Insulin Receptor for Therapeutic Designs. <i>Journal of Endocrinology and Metabolism</i> , 2015, 5, 273-283.	0.1	9
59	Investigating the association of rs7903146 of TCF7L2 gene, rs5219 of KCNJ11 gene, rs10946398 of CDKAL1 gene, and rs9939609 of FTO gene with type 2 diabetes mellitus in Emirati population. <i>Meta Gene</i> , 2019, 21, 100600.	0.3	8
60	MHC class I polymorphic <i>Alu</i> insertion (POALIN) allele and haplotype frequencies in the Arabs of the United Arab Emirates and other world populations. <i>International Journal of Immunogenetics</i> , 2019, 46, 247-262.	0.8	8
61	<i>HLA</i> class I allele lineages and haplotype frequencies in Arabs of the United Arab Emirates. <i>International Journal of Immunogenetics</i> , 2019, 46, 152-159.	0.8	8
62	Genomics and Epigenomics of Gestational Diabetes Mellitus: Understanding the Molecular Pathways of the Disease Pathogenesis. <i>International Journal of Molecular Sciences</i> , 2022, 23, 3514.	1.8	8
63	Development of Chemical Sensors Based on Redox-Dependent Receptors: $\text{N,N}'$ -Dimethyldiazapyrenium-Modified Electrodes. <i>Analytical Chemistry</i> , 2003, 75, 3322-3328.	3.2	7
64	Population data for 21 autosomal short tandem repeat markers in the Arabic population of the United Arab Emirates. <i>Forensic Science International: Genetics</i> , 2017, 28, e41-e42.	1.6	7
65	The frequency of DRD2 rs1076560 and OPRM1 rs1799971 in substance use disorder patients from the United Arab Emirates. <i>Annals of General Psychiatry</i> , 2018, 17, 22.	1.2	7
66	Are We There Yet? How and When Specific Biotechnologies Will Improve Human Health. <i>Biotechnology Journal</i> , 2019, 14, e1800195.	1.8	7
67	Genetics of type 2 diabetes and coronary artery disease and their associations with twelve cardiometabolic traits in the United Arab Emirates population. <i>Gene</i> , 2020, 750, 144722.	1.0	7
68	Prevalence of Common Gynecological Conditions in the Middle East: Systematic Review and Meta-Analysis. <i>Frontiers in Reproductive Health</i> , 2021, 3, .	0.6	7
69	Optimization of an rGO-based biosensor for the sensitive detection of bovine serum albumin: Effect of electric field on detection capability. <i>Chemosphere</i> , 2022, 301, 134700.	4.2	7
70	Using facial images for the diagnosis of genetic syndromes: A survey. , 2015, , .		6
71	Gait alterations in the UAE population with and without diabetic complications using both traditional and entropy measures. <i>Gait and Posture</i> , 2017, 58, 72-77.	0.6	6
72	Genome-wide meta-analysis associates GPSM1 with type 2 diabetes, a plausible gene involved in skeletal muscle function. <i>Journal of Human Genetics</i> , 2020, 65, 411-420.	1.1	6

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73	The interrelationship and accumulation of cardiometabolic risk factors amongst young adults in the United Arab Emirates: The UAE Healthy Future Study. <i>Diabetology and Metabolic Syndrome</i> , 2021, 13, 140.	1.2	6
74	Genetic Variants and Their Associations to Type 2 Diabetes Mellitus Complications in the United Arab Emirates. <i>Frontiers in Endocrinology</i> , 2021, 12, 751885.	1.5	6
75	Recent breakthroughs in integrated biomolecular and biotechnological approaches for enhanced lipid and carotenoid production from microalgae. <i>Phytochemistry Reviews</i> , 2023, 22, 993-1013.	3.1	6
76	Poincaré plot analysis of heart rate variability in the diabetic patients in the UAE. , 2014, , .		5
77	The AGE-RAGE axis in an Arab population: The United Arab Emirates Healthy Futures (UAEHFS) pilot study. <i>Journal of Clinical and Translational Endocrinology</i> , 2017, 10, 1-8.	1.0	5
78	Adapting Premedical Post-Baccalaureate Approaches to Support US-style Medical Education in the United Arab Emirates. <i>Journal of Medical Education and Curricular Development</i> , 2020, 7, 238212052095311.	0.7	5
79	Whole Genome Sequencing of Four Representatives From the Admixed Population of the United Arab Emirates. <i>Frontiers in Genetics</i> , 2020, 11, 681.	1.1	5
80	Allelic Variants Within the ABO Blood Group Phenotype Confer Protection Against Critical COVID-19 Hospital Presentation. <i>Frontiers in Medicine</i> , 2021, 8, 759648.	1.2	5
81	Genetics of diabetic kidney disease: A follow-up study in the Arab population of the United Arab Emirates. <i>Molecular Genetics & Genomic Medicine</i> , 2019, 7, e985.	0.6	4
82	Clinical correlations and genetic associations of metabolic syndrome in the United Arab Emirates. <i>Gene</i> , 2020, 738, 144476.	1.0	4
83	Segregation Analysis of Genotyped and Family-Phased, Long Range MHC Classical Class I and Class II Haplotypes in 5 Families With Type 1 Diabetes Proband in the United Arab Emirates. <i>Frontiers in Genetics</i> , 2021, 12, 670844.	1.1	4
84	Association between type 2 diabetes mellitus & TCF7L2 gene variants in the Emirati population: Genetics of diabetes in the United Arab Emirates. <i>American Journal of Human Biology</i> , 2021, 33, e23434.	0.8	4
85	Characterizing the diversity of MHC conserved extended haplotypes using families from the United Arab Emirates. <i>Scientific Reports</i> , 2022, 12, 7165.	1.6	4
86	Identification of a novel HLA-A allele, HLA-A*01:195, in a UAE national. <i>Human Immunology</i> , 2016, 77, 605-608.	1.2	3
87	A case-control genome wide association study of substance use disorder (SUD) identifies novel variants on chromosome 7p14.1 in patients from the United Arab Emirates (UAE). <i>American Journal of Medical Genetics Part B: Neuropsychiatric Genetics</i> , 2018, 180, 68-79.	1.1	3
88	Genetic Studies of Metabolic Syndrome in Arab Populations: A Systematic Review and Meta-Analysis. <i>Frontiers in Genetics</i> , 2021, 12, 733746.	1.1	3
89	Cis-regulation of antisense non-coding RNA at the <i>JAZF1</i> locus in type 2 diabetes. <i>Journal of Gene Medicine</i> , 2022, 24, e3407.	1.4	3
90	Travel ban effects on SARS-CoV-2 transmission lineages in the UAE as inferred by genomic epidemiology. <i>PLoS ONE</i> , 2022, 17, e0264682.	1.1	3

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91	Landmark detection from 3D mesh facial models for image-based analysis of dysmorphology. , 2015, 2015, 169-72.		2
92	Landmarks detection on 3D face scans using local histogram descriptors. , 2016, , .		2
93	Metabolic dysfunction in Emirati subjects in Abu Dhabi: Relationship to levels of soluble RAGEs. Journal of Clinical and Translational Endocrinology, 2019, 16, 100192.	1.0	2
94	Analysis between ECG and respiration signals in type II diabetic patients in the UAE. , 2014, , .		1
95	Mesh LBP features for 3D constrained local model. , 2015, , .		0
96	Association between genetic variants at chromosome 9p21 and risk of coronary artery disease in Emirati Type 2 Diabetes patients. Gene Reports, 2020, 21, 100892.	0.4	0