

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 | 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 |
| 2 | 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 |
| 3 | HLA repertoire of 115 UAE nationals infected with SARS-CoV-2. <i>Human Immunology</i> , 2022, 83, 1-9. | 1.2 | 9 |
| 4 | 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 |
| 5 | 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 |
| 6 | 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 |
| 7 | Immune Profiling of COVID-19 in Correlation with SARS and MERS. <i>Viruses</i> , 2022, 14, 164. | 1.5 | 11 |
| 8 | 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 |
| 9 | 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 |
| 10 | 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 |
| 11 | 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 |
| 12 | 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 |
| 13 | 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 |
| 14 | 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 |
| 15 | 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 |
| 16 | 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 |
| 17 | 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 |
| 18 | Major histocompatibility complex (MHC) associations with diseases in ethnic groups of the Arabian Peninsula. <i>Immunogenetics</i> , 2021, 73, 131-152. | 1.2 | 10 |

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|----|--|-----|-----------|
| 19 | 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 |
| 20 | A Population-Specific Major Allele Reference Genome From The United Arab Emirates Population. <i>Frontiers in Genetics</i> , 2021, 12, 660428. | 1.1 | 9 |
| 21 | 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 |
| 22 | 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 |
| 23 | Evolution, Ecology, and Zoonotic Transmission of Betacoronaviruses: A Review. <i>Frontiers in Veterinary Science</i> , 2021, 8, 644414. | 0.9 | 10 |
| 24 | 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 |
| 25 | 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 |
| 26 | 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 |
| 27 | 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 |
| 28 | 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 |
| 29 | 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 |
| 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 | 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 |
| 33 | 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 |
| 34 | Genome-wide association study of hospitalized COVID-19 patients in the United Arab Emirates. <i>EBioMedicine</i> , 2021, 74, 103695. | 2.7 | 26 |
| 35 | 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 |
| 36 | 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 |

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|----|--|-----|-----------|
| 37 | 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 |
| 38 | Association between genetic variants at chromosome 9p21 and risk of coronary artery disease in Emirati Type 2 Diabetes patients. <i>Gene Reports</i> , 2020, 21, 100892. | 0.4 | 0 |
| 39 | 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 |
| 40 | 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 |
| 41 | Genetic Diversity and Low Stratification of the Population of the United Arab Emirates. <i>Frontiers in Genetics</i> , 2020, 11, 608. | 1.1 | 18 |
| 42 | 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 |
| 43 | 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 |
| 44 | Clinical correlations and genetic associations of metabolic syndrome in the United Arab Emirates. <i>Gene</i> , 2020, 738, 144476. | 1.0 | 4 |
| 45 | 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 |
| 46 | Are We There Yet? How and When Specific Biotechnologies Will Improve Human Health. <i>Biotechnology Journal</i> , 2019, 14, e1800195. | 1.8 | 7 |
| 47 | An insight into the paradigms of osteoporosis: From genetics to biomechanics. <i>Bone Reports</i> , 2019, 11, 100216. | 0.2 | 48 |
| 48 | Incense Burning is Associated with Human Oral Microbiota Composition. <i>Scientific Reports</i> , 2019, 9, 10039. | 1.6 | 12 |
| 49 | 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 |
| 50 | Introducing the first whole genomes of nationals from the United Arab Emirates. <i>Scientific Reports</i> , 2019, 9, 14725. | 1.6 | 24 |
| 51 | 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 |
| 52 | Metabolic dysfunction in Emirati subjects in Abu Dhabi: Relationship to levels of soluble RAGEs. <i>Journal of Clinical and Translational Endocrinology</i> , 2019, 16, 100192. | 1.0 | 2 |
| 53 | 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 |
| 54 | MHC class I polymorphic Alu 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 |

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|----|--|-----|-----------|
| 55 | <i>HLA</i> class I allele lineages and haplotype frequencies in Arabs of the United Arab Emirates. International Journal of Immunogenetics, 2019, 46, 152-159. | 0.8 | 8 |
| 56 | A 1000 Arab genome project to study the Emirati population. Journal of Human Genetics, 2018, 63, 533-536. | 1.1 | 35 |
| 57 | Inhibition of Human Amylin Aggregation and Cellular Toxicity by Lipoic Acid and Ascorbic Acid. Molecular Pharmaceutics, 2018, 15, 2098-2106. | 2.3 | 39 |
| 58 | The power of synthetic biology for bioproduction, remediation and pollution control. EMBO Reports, 2018, 19, . | 2.0 | 83 |
| 59 | Multiple genetic variations confer risks for obesity and type 2 diabetes mellitus in arab descendants from UAE. International Journal of Obesity, 2018, 42, 1345-1353. | 1.6 | 26 |
| 60 | Vitamin D receptor gene polymorphisms among Emirati patients with type 2 diabetes mellitus. Journal of Steroid Biochemistry and Molecular Biology, 2018, 175, 119-124. | 1.2 | 35 |
| 61 | Ultrasound-mediated drug delivery by gas bubbles generated from a chemical reaction. Journal of Drug Targeting, 2018, 26, 172-181. | 2.1 | 11 |
| 62 | Clinical and genetic associations of renal function and diabetic kidney disease in the United Arab Emirates: a cross-sectional study. BMJ Open, 2018, 8, e020759. | 0.8 | 13 |
| 63 | A caseâ€“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). American Journal of Medical Genetics Part B: Neuropsychiatric Genetics, 2018, 180, 68-79. | 1.1 | 3 |
| 64 | The frequency of DRD2 rs1076560 and OPRM1 rs1799971 in substance use disorder patients from the United Arab Emirates. Annals of General Psychiatry, 2018, 17, 22. | 1.2 | 7 |
| 65 | Types of tobacco consumption and the oral microbiome in the United Arab Emirates Healthy Future (UAEHFS) Pilot Study. Scientific Reports, 2018, 8, 11327. | 1.6 | 51 |
| 66 | Establishing a genetic link between FTO and VDR gene polymorphisms and obesity in the Emirati population. BMC Medical Genetics, 2018, 19, 11. | 2.1 | 23 |
| 67 | The UAE healthy future study: a pilot for a prospective cohort study of 20,000 United Arab Emirates nationals. BMC Public Health, 2018, 18, 101. | 1.2 | 32 |
| 68 | Patterns of tobacco use in the United Arab Emirates Healthy Future (UAEHFS) pilot study. PLoS ONE, 2018, 13, e0198119. | 1.1 | 32 |
| 69 | Population data for 21 autosomal short tandem repeat markers in the Arabic population of the United Arab Emirates. Forensic Science International: Genetics, 2017, 28, e41-e42. | 1.6 | 7 |
| 70 | The AGE-RAGE axis in an Arab population: The United Arab Emirates Healthy Futures (UAEHFS) pilot study. Journal of Clinical and Translational Endocrinology, 2017, 10, 1-8. | 1.0 | 5 |
| 71 | Y-Chromosome haplotypes reveal relationships between populations of the Arabian Peninsula, North Africa and South Asia. Annals of Human Biology, 2017, 44, 738-746. | 0.4 | 14 |
| 72 | Clinical profiles, comorbidities and complications of type 2 diabetes mellitus in patients from United Arab Emirates. BMJ Open Diabetes Research and Care, 2017, 5, e000427. | 1.2 | 67 |

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|----|---|-----|-----------|
| 73 | 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 |
| 74 | 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 |
| 75 | 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 |
| 76 | 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 |
| 77 | 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 |
| 78 | 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 |
| 79 | Landmarks detection on 3D face scans using local histogram descriptors. , 2016, , . | | 2 |
| 80 | 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 |
| 81 | 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 |
| 82 | 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 |
| 83 | Identifying Common Genetic Risk Factors of Diabetic Neuropathies. <i>Frontiers in Endocrinology</i> , 2015, 6, 88. | 1.5 | 56 |
| 84 | 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 |
| 85 | 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 |
| 86 | Using facial images for the diagnosis of genetic syndromes: A survey. , 2015, , . | | 6 |
| 87 | Landmark detection from 3D mesh facial models for image-based analysis of dysmorphology. , 2015, 2015, 169-72. | | 2 |
| 88 | 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 |
| 89 | Mesh LBP features for 3D constrained local model. , 2015, , . | | 0 |
| 90 | 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 |

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| 91 | Analysis between ECG and respiration signals in type II diabetic patients in the UAE. , 2014, , . | | 1 |
| 92 | Poincaré plot analysis of heart rate variability in the diabetic patients in the UAE. , 2014, , . | | 5 |
| 93 | A Genomeâ€™Wide Search for Type 2 Diabetes Susceptibility Genes in an Extended Arab Family. Annals of Human Genetics, 2013, 77, 488-503. | 0.3 | 28 |
| 94 | The prevalence of Type 2 Diabetes Mellitus in the United Arab Emirates: justification for the establishment of the Emirates Family Registry. International Journal of Diabetes in Developing Countries, 2012, 32, 25-32. | 0.3 | 28 |
| 95 | Evaluation of different sources of DNA for use in genome wide studies and forensic application. Applied Microbiology and Biotechnology, 2011, 89, 807-815. | 1.7 | 10 |
| 96 | Development of Chemical Sensors Based on Redox-Dependent Receptors:ÂˆN,Nâ€™-Dimethyldiazapyrenium-Modified Electrodes. Analytical Chemistry, 2003, 75, 3322-3328. | 3.2 | 7 |