

Susu M Zughaier

List of Publications by Year in descending order

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Version: 2024-02-01

82
papers

8,177
citations

159585

30
h-index

98798

67
g-index

87
all docs

87
docs citations

87
times ranked

17416
citing authors

#	ARTICLE	IF	CITATIONS
1	Prevalence of asymptomatic hyperuricemia and its association with prediabetes, dyslipidemia and subclinical inflammation markers among young healthy adults in Qatar. BMC Endocrine Disorders, 2022, 22, 21.	2.2	5
2	Antibacterial activity of Myrtus communis L. and Melaleuca leucadendron var. cajaputi essential oils against antibiotic-resistant bacterial strains. Journal of Emergency Medicine, Trauma and Acute Care, 2022, 2022, .	0.1	0
3	Staphylococcus aureus histone deacetylase-like enzyme is a potential target for adjuvant antibiotic discovery. Journal of Emergency Medicine, Trauma and Acute Care, 2022, 2022, .	0.1	0
4	The role of antibiotic resistance mobile genetic element MCR-1 in enhancing bacterial survival in macrophages. Journal of Emergency Medicine, Trauma and Acute Care, 2022, 2022, .	0.1	0
5	QCovSML: A reliable COVID-19 detection system using CBC biomarkers by a stacking machine learning model. Computers in Biology and Medicine, 2022, 143, 105284.	7.0	24
6	QUCoughScope: An Intelligent Application to Detect COVID-19 Patients Using Cough and Breath Sounds. Diagnostics, 2022, 12, 920.	2.6	13
7	Differentiation and classification of bacterial endotoxins based on surface enhanced Raman scattering and advanced machine learning. Nanoscale, 2022, 14, 8806-8817.	5.6	13
8	Assessment of In Vitro Immunostimulatory Activity of an Adjuvanted Whole-Cell Inactivated Neisseria gonorrhoeae Microparticle Vaccine Formulation. Vaccines, 2022, 10, 983.	4.4	5
9	PCovNet: A presymptomatic COVID-19 detection framework using deep learning model using wearables data. Computers in Biology and Medicine, 2022, 147, 105682.	7.0	17
10	Assessment of the Role of Serum 25-Hydroxy Vitamin D Level on Coronary Heart Disease Risk With Stratification Among Patients With Type 2 Diabetes Mellitus. Angiology, 2021, 72, 86-92.	1.8	2
11	Development and Validation of an Early Scoring System for Prediction of Disease Severity in COVID-19 Using Complete Blood Count Parameters. IEEE Access, 2021, 9, 120422-120441.	4.2	29
12	Microneedles: A New Generation Vaccine Delivery System. Micromachines, 2021, 12, 435.	2.9	82
13	An Early Warning Tool for Predicting Mortality Risk of COVID-19 Patients Using Machine Learning. Cognitive Computation, 2021, , 1-16.	5.2	62
14	Exploring the effect of image enhancement techniques on COVID-19 detection using chest X-ray images. Computers in Biology and Medicine, 2021, 132, 104319.	7.0	521
15	Highly Sensitive Detection and Differentiation of Endotoxins Derived from Bacterial Pathogens by Surface-Enhanced Raman Scattering. Biosensors, 2021, 11, 234.	4.7	7
16	Mortality Prediction Utilizing Blood Biomarkers to Predict the Severity of COVID-19 Using Machine Learning Technique. Diagnostics, 2021, 11, 1582.	2.6	32
17	COVID-19 Lesion Segmentation Using Lung CT Scan Images: Comparative Study Based on Active Contour Models. Applied Sciences (Switzerland), 2021, 11, 8039.	2.5	11
18	Development of an in-house COVID-19 serology ELISA Test. Journal of Emergency Medicine, Trauma and Acute Care, 2021, 2021, .	0.1	0

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19	Prevalence of Asymptomatic Hyperuricemia and its Association with Prediabetes, Dyslipidemia and Subclinical Inflammation Markers among Young Healthy Adults in Qatar. , 2021, , .		0
20	Pyocyanin pigment from Pseudomonas aeruginosa modulates innate immune defenses in macrophages. , 2021, , .		0
21	Serum 25-Hydroxyvitamin D Is Inversely Associated with Monocyte Percentage to HDL Cholesterol Ratio among Young Healthy Adults in Qatar. <i>Nutrients</i> , 2021, 13, 127.	4.1	12
22	The Role of Soluble Uric Acid in Modulating Autophagy Flux and Inflammasome Activation during Bacterial Infection in Macrophages. <i>Biomedicines</i> , 2020, 8, 598.	3.2	12
23	Meningococcal Vaccines: Challenges and Prospects. <i>Vaccines</i> , 2020, 8, 738.	4.4	3
24	Editorial: Immune-Modulatory Effects of Vitamin D. <i>Frontiers in Immunology</i> , 2020, 11, 596611.	4.8	10
25	Virtual Reality Module Depicting Catheter-Associated Urinary Tract Infection as Educational Tool to Reduce Antibiotic Resistant Hospital-Acquired Bacterial Infections. , 2020, , .		0
26	Identification of a Neisseria gonorrhoeae Histone Deacetylase: Epigenetic Impact on Host Gene Expression. <i>Pathogens</i> , 2020, 9, 132.	2.8	14
27	Oral Vaccine Delivery: The Coming Age of Particulate Vaccines to Elicit Mucosal Immunity. <i>AAPS Advances in the Pharmaceutical Sciences Series</i> , 2020, , 155-175.	0.6	2
28	Rapid detection of bacterial infections using nanotechnology-based point-of-care sensor with Raman spectroscopy. <i>Journal of Emergency Medicine, Trauma and Acute Care</i> , 2020, 2020, .	0.1	0
29	Virtual Reality Module Depicting Catheter-Associated Urinary Tract Infection as Educational Tool to Reduce Antibiotic Resistant Hospital-Acquired Bacterial Infections. , 2020, , .		0
30	High Vaccine Coverage is Crucial for Preventing the Spread of Infectious Diseases During Mass Gathering. , 2020, , .		0
31	Vitamin D for the Immune System in Cystic Fibrosis (DISC): a double-blind, multicenter, randomized, placebo-controlled clinical trial. <i>American Journal of Clinical Nutrition</i> , 2019, 109, 544-553.	4.7	27
32	High-Dose Vitamin D Administration Is Associated With Increases in Hemoglobin Concentrations in Mechanically Ventilated Critically Ill Adults: A Pilot Double-Blind, Randomized, Placebo-Controlled Trial. <i>Journal of Parenteral and Enteral Nutrition</i> , 2018, 42, 87-94.	2.6	42
33	Editorial: Role of Iron in Bacterial Pathogenesis. <i>Frontiers in Cellular and Infection Microbiology</i> , 2018, 8, 344.	3.9	32
34	Novel Whole-Cell Inactivated Neisseria Gonorrhoeae Microparticles as Vaccine Formulation in Microneedle-Based Transdermal Immunization. <i>Vaccines</i> , 2018, 6, 60.	4.4	43
35	Analysis of novel meningococcal vaccine formulations. <i>Human Vaccines and Immunotherapeutics</i> , 2017, 13, 1728-1732.	3.3	3
36	The Vitamin D for Enhancing the Immune System in Cystic Fibrosis (DISC) trial: Rationale and design of a multi-center, double-blind, placebo-controlled trial of high dose bolus administration of vitamin D3 during acute pulmonary exacerbation of cystic fibrosis. <i>Contemporary Clinical Trials Communications</i> , 2017, 6, 39-45.	1.1	12

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37	High-dose vitamin D 3 reduces circulating hepcidin concentrations: A pilot, randomized, double-blind, placebo-controlled trial in healthy adults. <i>Clinical Nutrition</i> , 2017, 36, 980-985.	5.0	82
38	Enhanced Clearance of <i>Pseudomonas aeruginosa</i> by Peroxisome Proliferator-Activated Receptor Gamma. <i>Infection and Immunity</i> , 2016, 84, 1975-1985.	2.2	31
39	Evaluation of various adjuvant nanoparticulate formulations for meningococcal capsular polysaccharide-based vaccine. <i>Vaccine</i> , 2016, 34, 3260-3267.	3.8	20
40	The effects of first-line anti-tuberculosis drugs on the actions of vitamin D in human macrophages. <i>Journal of Clinical and Translational Endocrinology</i> , 2016, 6, 23-29.	1.4	15
41	Guidelines for the use and interpretation of assays for monitoring autophagy (3rd edition). <i>Autophagy</i> , 2016, 12, 1-222.	9.1	4,701
42	NGAL Suppresses Immune Responses to Meningococcal Capsular Polysaccharide-Based Vaccine. <i>International Journal of Vaccines & Vaccination</i> , 2016, 2, .	0.3	0
43	Vitamin D deficiency is associated with anaemia among African Americans in a US cohort. <i>British Journal of Nutrition</i> , 2015, 113, 1732-1740.	2.3	37
44	Trends in Nonparenteral Delivery of Biologics, Vaccines and Cancer Therapies. , 2015, , 89-122.		5
45	Phosphoethanolamine Modification of <i>Neisseria gonorrhoeae</i> Lipid A Reduces Autophagy Flux in Macrophages. <i>PLoS ONE</i> , 2015, 10, e0144347.	2.5	22
46	Development of Non-Conjugated Meningitis Particulate Vaccine. , 2015, , 127-140.		0
47	<i>Neisseria gonorrhoeae</i> Modulates Iron-Limiting Innate Immune Defenses in Macrophages. <i>PLoS ONE</i> , 2014, 9, e87688.	2.5	52
48	Structure-Dependent Immune Modulatory Activity of Protegrin-1 Analogs. <i>Antibiotics</i> , 2014, 3, 694-713.	3.7	7
49	Inflammation and ER Stress Downregulate BDH2 Expression and Dysregulate Intracellular Iron in Macrophages. <i>Journal of Immunology Research</i> , 2014, 2014, 1-16.	2.2	26
50	Hyperglycemia impedes lung bacterial clearance in a murine model of cystic fibrosis-related diabetes. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2014, 306, L43-L49.	2.9	49
51	Rapid detection of <i>Pseudomonas aeruginosa</i> biomarkers in biological fluids using surface-enhanced Raman scattering. , 2014, , .		2
52	The role of vitamin D in regulating the iron-hepcidin-ferroportin axis in monocytes. <i>Journal of Clinical and Translational Endocrinology</i> , 2014, 1, e19-e25.	1.4	111
53	Induction of Death Receptor CD95 and Co-stimulatory Molecules CD80 and CD86 by Meningococcal Capsular Polysaccharide-Loaded Vaccine Nanoparticles. <i>AAPS Journal</i> , 2014, 16, 986-993.	4.4	15
54	Culture-free diagnostics of <i>Pseudomonas aeruginosa</i> infection by silver nanorod array based SERS from clinical sputum samples. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2014, 10, 1863-1870.	3.3	65

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55	Formulation of meningococcal capsular polysaccharide vaccine-loaded microparticles with robust innate immune recognition. <i>Journal of Microencapsulation</i> , 2013, 30, 28-41.	2.8	24
56	Effects of high-dose cholecalciferol on serum markers of inflammation and immunity in patients with early chronic kidney disease. <i>European Journal of Clinical Nutrition</i> , 2013, 67, 264-269.	2.9	50
57	Peripheral Monocytes Derived from Patients with Cystic Fibrosis and Healthy Donors Secrete NGAL in Response to <i>Pseudomonas aeruginosa</i> Infection. <i>Journal of Investigative Medicine</i> , 2013, 61, 1018-1025.	1.6	19
58	Vitamin D Suppresses Hecpidin Expression In Macrophages. , 2013, , .		0
59	Effects of high-dose cholecalciferol on serum markers of inflammation and immunity in patients with early chronic kidney disease. <i>FASEB Journal</i> , 2013, 27, 46.3.	0.5	0
60	Impact of vitamin D supplementation on markers of inflammation in adults with cystic fibrosis hospitalized for a pulmonary exacerbation. <i>European Journal of Clinical Nutrition</i> , 2012, 66, 1072-1074.	2.9	108
61	Pyoverdine, the Major Siderophore in <i>Pseudomonas aeruginosa</i> , Evades NGAL Recognition. <i>Interdisciplinary Perspectives on Infectious Diseases</i> , 2012, 2012, 1-10.	1.4	69
62	High-dose cholecalciferol reduces parathyroid hormone in patients with early chronic kidney disease: a pilot, randomized, double-blind, placebo-controlled trial. <i>American Journal of Clinical Nutrition</i> , 2012, 96, 672-679.	4.7	97
63	Pilot study of vitamin D supplementation in adults with cystic fibrosis pulmonary exacerbation. <i>Dermato-Endocrinology</i> , 2012, 4, 191-197.	1.8	74
64	The Human Host Defense Peptide LL-37 Interacts with <i>Neisseria meningitidis</i> Capsular Polysaccharides and Inhibits Inflammatory Mediators Release. <i>PLoS ONE</i> , 2010, 5, e13627.	2.5	28
65	Induction of Reactive Oxygen Species-mediated Autophagy by a Novel Microtubule-modulating Agent. <i>Journal of Biological Chemistry</i> , 2010, 285, 18737-18748.	3.4	80
66	Osteoinductive LIM mineralization protein-1 suppresses activation of NF- κ B and selectively regulates MAPK pathways in pre-osteoclasts. <i>Bone</i> , 2010, 46, 1328-1335.	2.9	19
67	<i>Neisseria meningitidis</i> capsular polysaccharides induce inflammatory responses via TLR2 and TLR4-MD-2. <i>Journal of Leukocyte Biology</i> , 2010, 89, 469-480.	3.3	57
68	Potent Anti-Inflammatory Activity of Novel Microtubule-Modulating Brominated Noscapine Analogs. <i>PLoS ONE</i> , 2010, 5, e9165.	2.5	34
69	Transmigration across activated endothelium induces transcriptional changes, inhibits apoptosis, and decreases antimicrobial protein expression in human monocytes. <i>Journal of Leukocyte Biology</i> , 2009, 86, 1331-1343.	3.3	26
70	Human MD-2 discrimination of meningococcal lipid A structures and activation of TLR4. <i>Glycobiology</i> , 2007, 17, 847-856.	2.5	31
71	TLR4-dependent adjuvant activity of <i>Neisseria meningitidis</i> lipid A. <i>Vaccine</i> , 2007, 25, 4401-4409.	3.8	24
72	Physicochemical characterization and biological activity of lipooligosaccharides and lipid A from <i>Neisseria meningitidis</i> . <i>Journal of Endotoxin Research</i> , 2007, 13, 343-357.	2.5	17

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73	Hexa-acylation and KDO2-glycosylation determine the specific immunostimulatory activity of <i>Neisseria meningitidis</i> lipid A for human monocyte derived dendritic cells. <i>Vaccine</i> , 2006, 24, 1291-1297.	3.8	32
74	Lipooligosaccharide Structure Contributes to Multiple Steps in the Virulence of <i>Neisseria meningitidis</i> . <i>Infection and Immunity</i> , 2006, 74, 1360-1367.	2.2	60
75	Antimicrobial peptides and endotoxin inhibit cytokine and nitric oxide release but amplify respiratory burst response in human and murine macrophages. <i>Cellular Microbiology</i> , 2005, 7, 1251-1262.	2.1	111
76	Cationic Antimicrobial Peptide Resistance in <i>Neisseria meningitidis</i> . <i>Journal of Bacteriology</i> , 2005, 187, 5387-5396.	2.2	209
77	Incidence of macrolide resistance in <i>Streptococcus pneumoniae</i> after introduction of the pneumococcal conjugate vaccine: population-based assessment. <i>Lancet, The</i> , 2005, 365, 855-863.	13.7	170
78	Differential Induction of the Toll-Like Receptor 4-MyD88-Dependent and -Independent Signaling Pathways by Endotoxins. <i>Infection and Immunity</i> , 2005, 73, 2940-2950.	2.2	201
79	<i>Neisseria meningitidis</i> Lipooligosaccharide Structure-Dependent Activation of the Macrophage CD14/Toll-Like Receptor 4 Pathway. <i>Infection and Immunity</i> , 2004, 72, 371-380.	2.2	144
80	Type III Group B Streptococcal Polysaccharide Induces Antibodies That Cross-React with <i>Streptococcus pneumoniae</i> Type 14. <i>Infection and Immunity</i> , 2002, 70, 1724-1738.	2.2	38
81	Lipopolysaccharide (LPS) from <i>Burkholderia cepacia</i> Is More Active than LPS from <i>Pseudomonas aeruginosa</i> and <i>Stenotrophomonas maltophilia</i> in Stimulating Tumor Necrosis Factor Alpha from Human Monocytes. <i>Infection and Immunity</i> , 1999, 67, 1505-1507.	2.2	92
82	A Melanin Pigment Purified from an Epidemic Strain of <i>Burkholderia cepacia</i> Attenuates Monocyte Respiratory Burst Activity by Scavenging Superoxide Anion. <i>Infection and Immunity</i> , 1999, 67, 908-913.	2.2	77