

Susu M Zughaier

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

63

papers

6,181

citations

27

h-index

78

g-index

87

ext. papers

7,279

ext. citations

4.5

avg, IF

5.05

L-index

#	Paper	IF	Citations
63	Guidelines for the use and interpretation of assays for monitoring autophagy (3rd edition). <i>Autophagy</i> , 2016 , 12, 1-222	10.2	3838
62	Cationic antimicrobial peptide resistance in <i>Neisseria meningitidis</i> . <i>Journal of Bacteriology</i> , 2005 , 187, 5387-96	3.5	179
61	Differential induction of the toll-like receptor 4-MyD88-dependent and -independent signaling pathways by endotoxins. <i>Infection and Immunity</i> , 2005 , 73, 2940-50	3.7	175
60	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, 855-63	4.0	141
59	<i>Neisseria meningitidis</i> lipooligosaccharide structure-dependent activation of the macrophage CD14/Toll-like receptor 4 pathway. <i>Infection and Immunity</i> , 2004 , 72, 371-80	3.7	136
58	Exploring the effect of image enhancement techniques on COVID-19 detection using chest X-ray images. <i>Computers in Biology and Medicine</i> , 2021 , 132, 104319	7	127
57	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, 1251-62	3.9	102
56	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, 1072-4	5.2	87
55	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, 1505-7	3.7	85
54	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, 672-9	7	81
53	The role of vitamin D in regulating the iron-hepcidin-ferroportin axis in monocytes. <i>Journal of Clinical and Translational Endocrinology</i> , 2014 , 1, 19-25	2.4	77
52	Induction of reactive oxygen species-mediated autophagy by a novel microtubule-modulating agent. <i>Journal of Biological Chemistry</i> , 2010 , 285, 18737-48	5.4	68
51	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, 908-13	3.7	68
50	High-dose vitamin D reduces circulating hepcidin concentrations: A pilot, randomized, double-blind, placebo-controlled trial in healthy adults. <i>Clinical Nutrition</i> , 2017 , 36, 980-985	5.9	59
49	Pilot study of vitamin D supplementation in adults with cystic fibrosis pulmonary exacerbation: A randomized, controlled trial. <i>Dermato-Endocrinology</i> , 2012 , 4, 191-7		55
48	Lipooligosaccharide structure contributes to multiple steps in the virulence of <i>Neisseria meningitidis</i> . <i>Infection and Immunity</i> , 2006 , 74, 1360-7	3.7	52
47	<i>Neisseria meningitidis</i> capsular polysaccharides induce inflammatory responses via TLR2 and TLR4-MD-2. <i>Journal of Leukocyte Biology</i> , 2011 , 89, 469-80	6.5	51

46	Pyoverdine, the Major Siderophore in <i>Pseudomonas aeruginosa</i> , Evades NGAL Recognition. <i>Interdisciplinary Perspectives on Infectious Diseases</i> , 2012 , 2012, 843509	1.7	50
45	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, 1863-70	6	49
44	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, 264-9	5.2	44
43	<i>Neisseria gonorrhoeae</i> modulates iron-limiting innate immune defenses in macrophages. <i>PLoS ONE</i> , 2014 , 9, e87688	3.7	40
42	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, L43-9	5.8	39
41	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, 1724-38	3.7	36
40	Vitamin D deficiency is associated with anaemia among African Americans in a US cohort. <i>British Journal of Nutrition</i> , 2015 , 113, 1732-40	3.6	30
39	Novel Whole-Cell Inactivated Microparticles as Vaccine Formulation in Microneedle-Based Transdermal Immunization. <i>Vaccines</i> , 2018 , 6,	5.3	30
38	Hexa-acylation and KDO(2)-glycosylation determine the specific immunostimulatory activity of <i>Neisseria meningitidis</i> lipid A for human monocyte derived dendritic cells. <i>Vaccine</i> , 2006 , 24, 1291-7	4.1	28
37	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	4.2	27
36	Human MD-2 discrimination of meningococcal lipid A structures and activation of TLR4. <i>Glycobiology</i> , 2007 , 17, 847-56	5.8	27
35	Potent anti-inflammatory activity of novel microtubule-modulating brominated noscaphine analogs. <i>PLoS ONE</i> , 2010 , 5, e9165	3.7	27
34	An Early Warning Tool for Predicting Mortality Risk of COVID-19 Patients Using Machine Learning. <i>Cognitive Computation</i> , 2021 , 1-16	4.4	26
33	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, 1331-43	6.5	24
32	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	3.7	23
31	Enhanced Clearance of <i>Pseudomonas aeruginosa</i> by Peroxisome Proliferator-Activated Receptor Gamma. <i>Infection and Immunity</i> , 2016 , 84, 1975-1985	3.7	23
30	TLR4-dependent adjuvant activity of <i>Neisseria meningitidis</i> lipid A. <i>Vaccine</i> , 2007 , 25, 4401-9	4.1	22
29	Inflammation and ER stress downregulate BDH2 expression and dysregulate intracellular iron in macrophages. <i>Journal of Immunology Research</i> , 2014 , 2014, 140728	4.5	21

28	Microneedles: A New Generation Vaccine Delivery System. <i>Micromachines</i> , 2021 , 12,	3.3	21
27	Formulation of meningococcal capsular polysaccharide vaccine-loaded microparticles with robust innate immune recognition. <i>Journal of Microencapsulation</i> , 2013 , 30, 28-41	3.4	19
26	Osteoinductive LIM mineralization protein-1 suppresses activation of NF-kappaB and selectively regulates MAPK pathways in pre-osteoclasts. <i>Bone</i> , 2010 , 46, 1328-35	4.7	17
25	Phosphoethanolamine Modification of Neisseria gonorrhoeae Lipid A Reduces Autophagy Flux in Macrophages. <i>PLoS ONE</i> , 2015 , 10, e0144347	3.7	17
24	Peripheral monocytes derived from patients with cystic fibrosis and healthy donors secrete NGAL in response to Pseudomonas aeruginosa infection. <i>Journal of Investigative Medicine</i> , 2013 , 61, 1018-25	2.9	16
23	Evaluation of various adjuvant nanoparticulate formulations for meningococcal capsular polysaccharide-based vaccine. <i>Vaccine</i> , 2016 , 34, 3260-7	4.1	14
22	Physicochemical characterization and biological activity of lipooligosaccharides and lipid A from Neisseria meningitidis. <i>Journal of Endotoxin Research</i> , 2007 , 13, 343-57		13
21	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, 986-93	3.7	11
20	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	2.4	11
19	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	7	10
18	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	1.8	8
17	Development and Validation of an Early Scoring System for Prediction of Disease Severity in COVID-19 Using Complete Blood Count Parameters. <i>IEEE Access</i> , 2021 , 9, 120422-120441	3.5	8
16	Mortality Prediction Utilizing Blood Biomarkers to Predict the Severity of COVID-19 Using Machine Learning Technique. <i>Diagnostics</i> , 2021 , 11,	3.8	8
15	The Role of Soluble Uric Acid in Modulating Autophagy Flux and Inflammasome Activation during Bacterial Infection in Macrophages. <i>Biomedicine</i> , 2020 , 8,	4.8	6
14	Identification of a Histone Deacetylase: Epigenetic Impact on Host Gene Expression. <i>Pathogens</i> , 2020 , 9,	4.5	5
13	QCovSML: A reliable COVID-19 detection system using CBC biomarkers by a stacking machine learning model. <i>Computers in Biology and Medicine</i> , 2022 , 143, 105284	7	5
12	Trends in Nonparenteral Delivery of Biologics, Vaccines and Cancer Therapies 2015 , 89-122		4
11	Structure-Dependent Immune Modulatory Activity of Protegrin-1 Analogs. <i>Antibiotics</i> , 2014 , 3, 694-713	4.9	4

10	COVID-19 Lesion Segmentation Using Lung CT Scan Images: Comparative Study Based on Active Contour Models. <i>Applied Sciences (Switzerland)</i> , 2021 , 11, 8039	2.6	4
9	Analysis of novel meningococcal vaccine formulations. <i>Human Vaccines and Immunotherapeutics</i> , 2017 , 13, 1728-1732	4.4	3
8	COVID-19 Lesion Segmentation using Lung CT Scan Images: Comparative Study based on Active Contour Models		3
7	Rapid detection of <i>Pseudomonas aeruginosa</i> biomarkers in biological fluids using surface-enhanced Raman scattering 2014 ,		2
6	Differential Induction of the Toll-Like Receptor 4-MyD88-Dependent and -Independent Signaling Pathways by Endotoxins. <i>Infection and Immunity</i> , 2006 , 74, 3077-3077	3.7	1
5	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	0.5	1
4	Prevalence of asymptomatic hyperuricemia and its association with prediabetes, dyslipidemia and subclinical inflammation markers among young healthy adults in Qatar.. <i>BMC Endocrine Disorders</i> , 2022 , 22, 21	3.3	0
3	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. <i>Angiology</i> , 2021 , 72, 86-92	2.1	0
2	Development of Non-Conjugated Meningitis Particulate Vaccine 2015 , 127-140		
1	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	0.9	