

# Zuhier A Awan

## List of Publications by Year in descending order

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73  
papers

2,800  
citations

186265

28  
h-index

182427

51  
g-index

79  
all docs

79  
docs citations

79  
times ranked

3998  
citing authors

#	ARTICLE	IF	CITATIONS
1	PCSK9. <i>Circulation Research</i> , 2014, 114, 1022-1036.	4.5	495
2	Circulating Proprotein Convertase Subtilisin/Kexin 9 (PCSK9) Regulates VLDLR Protein and Triglyceride Accumulation in Visceral Adipose Tissue. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2011, 31, 785-791.	2.4	220
3	The HDL proteome in acute coronary syndromes shifts to an inflammatory profile. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2012, 1821, 405-415.	2.4	165
4	Rosuvastatin, Proprotein Convertase Subtilisin/Kexin Type 9 Concentrations, and LDL Cholesterol Response: the JUPITER Trial. <i>Clinical Chemistry</i> , 2012, 58, 183-189.	3.2	133
5	Aortic calcification: Novel insights from familial hypercholesterolemia and potential role for the low-density lipoprotein receptor. <i>Atherosclerosis</i> , 2013, 226, 9-15.	0.8	130
6	PCSK9 and inflammation: a review of experimental and clinical evidence. <i>European Heart Journal - Cardiovascular Pharmacotherapy</i> , 2019, 5, 237-245.	3.0	104
7	Vascular Calcifications in Homozygote Familial Hypercholesterolemia. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2008, 28, 777-785.	2.4	85
8	APOE p.Leu167del mutation in familial hypercholesterolemia. <i>Atherosclerosis</i> , 2013, 231, 218-222.	0.8	84
9	Simplified Canadian Definition for Familial Hypercholesterolemia. <i>Canadian Journal of Cardiology</i> , 2018, 34, 1210-1214.	1.7	62
10	The LDLR deficient mouse as a model for aortic calcification and quantification by micro-computed tomography. <i>Atherosclerosis</i> , 2011, 219, 455-462.	0.8	54
11	The <i>WVVOX</i> Gene Modulates High-Density Lipoprotein and Lipid Metabolism. <i>Circulation: Cardiovascular Genetics</i> , 2014, 7, 491-504.	5.1	49
12	The effect of insulin on circulating PCSK9 in postmenopausal obese women. <i>Clinical Biochemistry</i> , 2014, 47, 1033-1039.	1.9	47
13	Inflammation modulation and cardiovascular disease prevention. <i>European Journal of Preventive Cardiology</i> , 2015, 22, 719-733.	1.8	47
14	Decreased PCSK9 expression in human hepatocellular carcinoma. <i>BMC Gastroenterology</i> , 2015, 15, 176.	2.0	46
15	Exome Sequencing in Suspected Monogenic Dyslipidemias. <i>Circulation: Cardiovascular Genetics</i> , 2015, 8, 343-350.	5.1	45
16	Repurposing of Some Natural Product Isolates as SARS-COV-2 Main Protease Inhibitors via In Vitro Cell Free and Cell-Based Antiviral Assessments and Molecular Modeling Approaches. <i>Pharmaceuticals</i> , 2021, 14, 213.	3.8	45
17	Familial hypercholesterolemia mutations in the Middle Eastern and North African region: A need for a national registry. <i>Journal of Clinical Lipidology</i> , 2015, 9, 187-194.	1.5	44
18	Reducing Vascular Calcification by Anti-IL-1 $\beta$ Monoclonal Antibody in a Mouse Model of Familial Hypercholesterolemia. <i>Angiology</i> , 2016, 67, 157-167.	1.8	44

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19	Piceatannol-Loaded Emulsomes Exhibit Enhanced Cytostatic and Apoptotic Activities in Colon Cancer Cells. <i>Antioxidants</i> , 2020, 9, 419.	5.1	38
20	Dyslipidaemia in the Middle East: Current status and a call for action. <i>Atherosclerosis</i> , 2016, 252, 182-187.	0.8	37
21	Regional Distribution and Metabolic Effect of PCSK9 insLEU and R46L Gene Mutations and apoE Genotype. <i>Canadian Journal of Cardiology</i> , 2013, 29, 927-933.	1.7	32
22	Proprotein Convertase Subtilisin/Kexin Type 9 (PCSK9): Lessons Learned from Patients with Hypercholesterolemia. <i>Clinical Chemistry</i> , 2014, 60, 1380-1389.	3.2	32
23	High-density lipoproteins and cardiovascular disease: 2010 update. <i>Expert Review of Cardiovascular Therapy</i> , 2010, 8, 413-423.	1.5	31
24	Aortic calcifications in familial hypercholesterolemia: Potential role of the low-density lipoprotein receptor gene. <i>American Heart Journal</i> , 2009, 157, 170-176.	2.7	30
25	The Proprotein Convertase Subtilisin/Kexin Type 9-resistant R410S Low Density Lipoprotein Receptor Mutation. <i>Journal of Biological Chemistry</i> , 2017, 292, 1573-1590.	3.4	30
26	&lt;p&gt;Optimized Nanostructured Lipid Carriers Integrated into In Situ Nasal Gel for Enhancing Brain Delivery of Flibanserin&lt;p&gt;. <i>International Journal of Nanomedicine</i> , 2020, Volume 15, 5253-5264.	6.7	28
27	Improved Analgesic and Anti-Inflammatory Effect of Diclofenac Sodium by Topical Nanoemulgel: Formulation Development&#x201c; <i>In Vitro</i>and <i>In Vivo</i>Studies. <i>Journal of Chemistry</i> , 2020, 2020, 1-10.	1.9	26
28	A semi-automated mass spectrometric immunoassay coupled to selected reaction monitoring (MSIA&#x201c;SRM) reveals novel relationships between circulating PCSK9 and metabolic phenotypes in patient cohorts. <i>Methods</i> , 2015, 81, 66-73.	3.8	23
29	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.	2.5	23
30	The Gulf Familial Hypercholesterolemia Registry (Gulf FH): Design, Rationale and Preliminary Results. <i>Current Vascular Pharmacology</i> , 2019, 18, 57-64.	1.7	23
31	Comparison of Treatment of Severe High-Density Lipoprotein Cholesterol Deficiency in Men With Daily Atorvastatin (20 mg) Versus Fenofibrate (200 mg) Versus Extended-Release Niacin (2 g). <i>American Journal of Cardiology</i> , 2008, 102, 1341-1347.	1.6	21
32	Estrogen-associated severe hypertriglyceridemia with pancreatitis. <i>Journal of Clinical Lipidology</i> , 2017, 11, 297-300.	1.5	21
33	Large-Scale Production of Bioactive Terrein by <i>Aspergillus terreus</i> Strain S020 Isolated from the Saudi Coast of the Red Sea. <i>Biomolecules</i> , 2019, 9, 480.	4.0	21
34	Approach to the diagnosis and management of lipoprotein disorders. <i>Current Opinion in Endocrinology, Diabetes and Obesity</i> , 2009, 16, 132-140.	2.3	19
35	Calcium Homeostasis and Skeletal Integrity in Individuals with Familial Hypercholesterolemia and Aortic Calcification. <i>Clinical Chemistry</i> , 2010, 56, 1599-1607.	3.2	17
36	Consensus clinical recommendations for the management of plasma lipid disorders in the Middle East. <i>International Journal of Cardiology</i> , 2016, 225, 268-283.	1.7	17

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37	Familial Hypercholesterolemia in the Arabian Gulf Region: Clinical results of the Gulf FH Registry. PLoS ONE, 2021, 16, e0251560.	2.5	17
38	Aortic Calcification Progression in Heterozygote Familial Hypercholesterolemia. Canadian Journal of Cardiology, 2017, 33, 658-665.	1.7	15
39	The Spectrum of Familial Hypercholesterolemia (FH) in Saudi Arabia: Prime Time for Patient FH Registry. Open Cardiovascular Medicine Journal, 2017, 11, 66-75.	0.3	15
40	Protein phenotype diagnosis of autosomal dominant calmodulin mutations causing irregular heart rhythms. Journal of Cellular Biochemistry, 2018, 119, 8233-8248.	2.6	14
41	Prevalence of Helicobacter pylori Infection and Diagnostic Methods in the Middle East and North Africa Region. Medicina (Lithuania), 2020, 56, 169.	2.0	13
42	Levels of soluble cell adhesion molecules in type 2 diabetes mellitus patients with macrovascular complications. Journal of International Medical Research, 2020, 48, 030006051989385.	1.0	13
43	Molecular insights into the coding region mutations of low-density lipoprotein receptor adaptor protein 1 (LDLRAP1) linked to familial hypercholesterolemia. Journal of Gene Medicine, 2020, 22, e3176.	2.8	12
44	Acute monoarticular arthritis caused by Maltese cross-like crystals. Cmaj, 2005, 172, 741-742.	2.0	11
45	Assisting the integration of social media in problem-based learning sessions in the Faculty of Medicine at King Abdulaziz University. Medical Teacher, 2018, 40, S37-S42.	1.8	11
46	Interpreting the Mechanism of APOE (p.Leu167del) Mutation in the Incidence of Familial Hypercholesterolemia; An In-silico Approach. Open Cardiovascular Medicine Journal, 2017, 11, 84-93.	0.3	11
47	Thrombin activation of protein C requires prior processing by a liver proprotein convertase. Journal of Biological Chemistry, 2017, 292, 10564-10573.	3.4	10
48	Perinatal ciclosporin A exposure elicits sex-related cardiac dysfunction and inflammation in the rat progeny. Toxicology Letters, 2017, 281, 35-43.	0.8	10
49	Posttranslational modification of proprotein convertase subtilisin/kexin type 9 is differentially regulated in response to distinct cardiometabolic treatments as revealed by targeted proteomics. Journal of Clinical Lipidology, 2018, 12, 1027-1038.	1.5	10
50	<p>The Prevalence of Isolated Neutropenia at High Altitude in Southern Saudi Arabia: Does Altitude Affect Leucocyte Count?</p>. International Journal of General Medicine, 2020, Volume 13, 1373-1379.	1.8	8
51	Optimized 2-methoxyestradiol invasomes fortified with apamin: a promising approach for suppression of A549 lung cancer cells. Drug Delivery, 2022, 29, 1536-1548.	5.7	8
52	Treatment of low high-density lipoprotein cholesterol. Canadian Journal of Cardiology, 2008, 24, 27C-31C.	1.7	7
53	The genetic association study of TP53 polymorphisms in Saudi obese patients. Saudi Journal of Biological Sciences, 2019, 26, 1338-1343.	3.8	7
54	Development of Polymer and Surfactant Based Naringenin Nanosuspension for Improvement of Stability, Antioxidant, and Antitumour Activity. Journal of Chemistry, 2020, 2020, 1-10.	1.9	7

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55	Improvement initiative in LDL-C management in Saudi Arabia: A call to action. <i>IJC Heart and Vasculature</i> , 2020, 31, 100667.	1.1	7
56	Association between serum uric acid with diabetes and other biochemical markers. <i>Journal of Family Medicine and Primary Care</i> , 2022, 11, 1401.	0.9	6
57	Severe hyperhomocysteinemia due to cystathionine $\beta$ -synthase deficiency, and Factor V Leiden mutation in a patient with recurrent venous thrombosis. <i>Thrombosis Journal</i> , 2014, 12, 30.	2.1	4
58	In Silico Approach to Investigate the Structural and Functional Attributes of Familial Hypercholesterolemia Variants Reported in the Saudi Population. <i>Journal of Computational Biology</i> , 2018, 25, 170-181.	1.6	4
59	Recently reported familial hypercholesterolemia-related mutations from cases in the Middle East and North Africa region. <i>Current Opinion in Lipidology</i> , 2019, 30, 88-93.	2.7	4
60	Assessment of medical internâ€™s knowledge, awareness and practice of familial hypercholesterolemia at academic institutes in Jeddah, Saudi Arabia. <i>Lipids in Health and Disease</i> , 2020, 19, 101.	3.0	4
61	Identifying significant genes and functionally enriched pathways in familial hypercholesterolemia using integrated gene co-expression network analysis. <i>Saudi Journal of Biological Sciences</i> , 2022, 29, 3287-3299.	3.8	4
62	Effect of Altitude on Hemoglobin and Red Blood Cell Indices in Adults in Different Regions of Saudi Arabia. <i>International Journal of General Medicine</i> , 2022, Volume 15, 3559-3565.	1.8	4
63	Acquired severe hypercholesterolemia and hypoalphalipoproteinemia. <i>Journal of Clinical Lipidology</i> , 2009, 3, 393-397.	1.5	3
64	Integrating an interprofessional education initiative: Evidence from King Abdulaziz University. <i>Medical Teacher</i> , 2018, 40, S15-S21.	1.8	3
65	Isolated Neutropenia/Benign Ethnic Neutropenia: A Common Clinical and Laboratory Finding in Southern and Western Saudi Arabia. <i>International Journal of General Medicine</i> , 2021, Volume 14, 451-457.	1.8	3
66	Molecular design, synthesis and biological characterization of novel Resveratrol derivative as potential anticancer agent targeting NF- $\kappa$ B. <i>Journal of Applied Biomedicine</i> , 2020, 18, 8-17.	1.7	3
67	Identification and functional characterization of 2 Rare LDLR stop gain variants (p.C231* and p.R744*) in Saudi familial hypercholesterolemia patients. <i>Panminerva Medica</i> , 2022, , .	0.8	3
68	Project-Based Learning Strategy for Teaching Molecular Biology: A Study of Studentsâ€™ Perceptions. <i>Education in Medicine Journal</i> , 2021, 13, 43-53.	0.4	2
69	Molecular profiling of melanocortin 4 receptor variants and agouti-related peptide interactions in morbid obese phenotype: a novel paradigm from molecular docking and dynamics simulations. <i>Biologia (Poland)</i> , 2022, 77, 1481.	1.5	2
70	Spectral signal processing approaches for selective quantification of the recently FDA approved brand-new combination of Vaborbactam and Meropenem; for conformity assessment of bulk and batch release. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2020, 230, 118066.	3.9	1
71	Identification of Novel and Known LDLR Variants Triggering Severe Familial Hypercholesterolemia in Saudi Families. <i>Current Vascular Pharmacology</i> , 2022, 20, 361-369.	1.7	1
72	Associations between body mass index, body composition and bone density in young adults: Findings from Saudi cohort. <i>Journal of Radiation Research and Applied Sciences</i> , 2022, 15, 268-274.	1.2	1

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73	Genetic Lipoprotein Disorders and Cardiovascular Disease. , 2010, , 203-221.		0