

Zuhier A Awan

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.

74
papers

1,990
citations

23
h-index

43
g-index

79
ext. papers

2,449
ext. citations

3.7
avg, IF

4.84
L-index

#	Paper	IF	Citations
74	PCSK9: a key modulator of cardiovascular health. <i>Circulation Research</i> , 2014 , 114, 1022-36	15.7	378
73	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, 785-91	9.4	189
72	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, 405-15	5	135
71	Aortic calcification: Novel insights from familial hypercholesterolemia and potential role for the low-density lipoprotein receptor. <i>Atherosclerosis</i> , 2013 , 226, 9-15	3.1	119
70	Rosuvastatin, proprotein convertase subtilisin/kexin type 9 concentrations, and LDL cholesterol response: the JUPITER trial. <i>Clinical Chemistry</i> , 2012 , 58, 183-9	5.5	110
69	Vascular calcifications in homozygote familial hypercholesterolemia. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2008 , 28, 777-85	9.4	71
68	APOE p.Leu167del mutation in familial hypercholesterolemia. <i>Atherosclerosis</i> , 2013 , 231, 218-22	3.1	67
67	The LDLR deficient mouse as a model for aortic calcification and quantification by micro-computed tomography. <i>Atherosclerosis</i> , 2011 , 219, 455-62	3.1	50
66	PCSK9 and inflammation: a review of experimental and clinical evidence. <i>European Heart Journal - Cardiovascular Pharmacotherapy</i> , 2019 , 5, 237-245	6.4	46
65	The effect of insulin on circulating PCSK9 in postmenopausal obese women. <i>Clinical Biochemistry</i> , 2014 , 47, 1033-9	3.5	42
64	Inflammation modulation and cardiovascular disease prevention. <i>European Journal of Preventive Cardiology</i> , 2015 , 22, 719-33	3.9	40
63	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, 187-94	4.9	37
62	Exome sequencing in suspected monogenic dyslipidemias. <i>Circulation: Cardiovascular Genetics</i> , 2015 , 8, 343-50		36
61	Simplified Canadian Definition for Familial Hypercholesterolemia. <i>Canadian Journal of Cardiology</i> , 2018 , 34, 1210-1214	3.8	36
60	Optimized Icaritin Phytosomes Exhibit Enhanced Cytotoxicity and Apoptosis-Inducing Activities in Ovarian Cancer Cells. <i>Pharmaceutics</i> , 2020 , 12,	6.4	35
59	Reducing Vascular Calcification by Anti-IL-1 Monoclonal Antibody in a Mouse Model of Familial Hypercholesterolemia. <i>Angiology</i> , 2016 , 67, 157-67	2.1	31
58	Decreased PCSK9 expression in human hepatocellular carcinoma. <i>BMC Gastroenterology</i> , 2015 , 15, 176	3	29

57	Proprotein convertase subtilisin/kexin type 9 (PCSK9): lessons learned from patients with hypercholesterolemia. <i>Clinical Chemistry</i> , 2014 , 60, 1380-9	5.5	27
56	High-density lipoproteins and cardiovascular disease: 2010 update. <i>Expert Review of Cardiovascular Therapy</i> , 2010 , 8, 413-23	2.5	27
55	The WWOX gene modulates high-density lipoprotein and lipid metabolism. <i>Circulation: Cardiovascular Genetics</i> , 2014 , 7, 491-504		26
54	Aortic calcifications in familial hypercholesterolemia: potential role of the low-density lipoprotein receptor gene. <i>American Heart Journal</i> , 2009 , 157, 170-6	4.9	26
53	Regional distribution and metabolic effect of PCSK9 insLEU and R46L gene mutations and apoE genotype. <i>Canadian Journal of Cardiology</i> , 2013 , 29, 927-33	3.8	25
52	Dyslipidaemia in the Middle East: Current status and a call for action. <i>Atherosclerosis</i> , 2016 , 252, 182-187	3.1	24
51	Thymoquinone-Loaded Soy-Phospholipid-Based Phytosomes Exhibit Anticancer Potential against Human Lung Cancer Cells. <i>Pharmaceutics</i> , 2020 , 12,	6.4	21
50	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>Pharmaceutics</i> , 2021 , 14,	5.2	21
49	The Proprotein Convertase Subtilisin/Kexin Type 9-resistant R410S Low Density Lipoprotein Receptor Mutation: A NOVEL MECHANISM CAUSING FAMILIAL HYPERCHOLESTEROLEMIA. <i>Journal of Biological Chemistry</i> , 2017 , 292, 1573-1590	5.4	20
48	A semi-automated mass spectrometric immunoassay coupled to selected reaction monitoring (MSIA-SRM) reveals novel relationships between circulating PCSK9 and metabolic phenotypes in patient cohorts. <i>Methods</i> , 2015 , 81, 66-73	4.6	20
47	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, 1341-7	3	18
46	Approach to the diagnosis and management of lipoprotein disorders. <i>Current Opinion in Endocrinology, Diabetes and Obesity</i> , 2009 , 16, 132-40	4	17
45	Calcium homeostasis and skeletal integrity in individuals with familial hypercholesterolemia and aortic calcification. <i>Clinical Chemistry</i> , 2010 , 56, 1599-607	5.5	15
44	Estrogen-associated severe hypertriglyceridemia with pancreatitis. <i>Journal of Clinical Lipidology</i> , 2017 , 11, 297-300	4.9	14
43	Large-Scale Production of Bioactive Terrein by Strain S020 Isolated from the Saudi Coast of the Red Sea. <i>Biomolecules</i> , 2019 , 9,	5.9	14
42	Piceatannol-Loaded Emulsomes Exhibit Enhanced Cytostatic and Apoptotic Activities in Colon Cancer Cells. <i>Antioxidants</i> , 2020 , 9,	7.1	13
41	Protein phenotype diagnosis of autosomal dominant calmodulin mutations causing irregular heart rhythms. <i>Journal of Cellular Biochemistry</i> , 2018 , 119, 8233-8248	4.7	13
40	Improved Analgesic and Anti-Inflammatory Effect of Diclofenac Sodium by Topical Nanoemulgel: Formulation Development In Vitro and In Vivo Studies. <i>Journal of Chemistry</i> , 2020 , 2020, 1-10	2.3	13

39	Aortic Calcification Progression in Heterozygote Familial Hypercholesterolemia. <i>Canadian Journal of Cardiology</i> , 2017 , 33, 658-665	3.8	12
38	Identification of key regulatory genes connected to NF- κ B family of proteins in visceral adipose tissues using gene expression and weighted protein interaction network. <i>PLoS ONE</i> , 2019 , 14, e0214337 ³⁻⁷		12
37	The Gulf Familial Hypercholesterolemia Registry (Gulf FH): Design, Rationale and Preliminary Results. <i>Current Vascular Pharmacology</i> , 2020 , 18, 57-64	3.3	12
36	The Enhanced Cytotoxic and Pro-Apoptotic Effects of Optimized Simvastatin-Loaded Emulsomes on MCF-7 Breast Cancer Cells. <i>Pharmaceutics</i> , 2020 , 12,	6.4	11
35	Consensus clinical recommendations for the management of plasma lipid disorders in the Middle East. <i>International Journal of Cardiology</i> , 2016 , 225, 268-283	3.2	10
34	Perinatal ciclosporin A exposure elicits sex-related cardiac dysfunction and inflammation in the rat progeny. <i>Toxicology Letters</i> , 2017 , 281, 35-43	4.4	10
33	Acute monoarticular arthritis caused by Maltese cross-like crystals. <i>Cmaj</i> , 2005 , 172, 741-2	3.5	10
32	Optimized Nanostructured Lipid Carriers Integrated into In Situ Nasal Gel for Enhancing Brain Delivery of Flibanserin. <i>International Journal of Nanomedicine</i> , 2020 , 15, 5253-5264	7.3	10
31	Posttranslational modification of proprotein convertase subtilisin/kexin type 9 is differentially regulated in response to distinct cardiometabolic treatments as revealed by targeted proteomics. <i>Journal of Clinical Lipidology</i> , 2018 , 12, 1027-1038	4.9	9
30	The Spectrum of Familial Hypercholesterolemia (FH) in Saudi Arabia: Prime Time for Patient FH Registry. <i>Open Cardiovascular Medicine Journal</i> , 2017 , 11, 66-75	0.7	8
29	Thrombin activation of protein C requires prior processing by a liver proprotein convertase. <i>Journal of Biological Chemistry</i> , 2017 , 292, 10564-10573	5.4	7
28	Interpreting the Mechanism of APOE (p.Leu167del) Mutation in the Incidence of Familial Hypercholesterolemia; An In-silico Approach. <i>Open Cardiovascular Medicine Journal</i> , 2017 , 11, 84-93	0.7	7
27	Assisting the integration of social media in problem-based learning sessions in the Faculty of Medicine at King Abdulaziz University. <i>Medical Teacher</i> , 2018 , 40, S37-S42	3	6
26	Treatment of low high-density lipoprotein cholesterol. <i>Canadian Journal of Cardiology</i> , 2008 , 24, 27C-31C ^{5,8}		6
25	Levels of soluble cell adhesion molecules in type 2 diabetes mellitus patients with macrovascular complications. <i>Journal of International Medical Research</i> , 2020 , 48, 300060519893858	1.4	6
24	Molecular insights into the coding region mutations of low-density lipoprotein receptor adaptor protein 1 (LDLRAP1) linked to familial hypercholesterolemia. <i>Journal of Gene Medicine</i> , 2020 , 22, e3176 ³⁻⁵		5
23	The genetic association study of TP53 polymorphisms in Saudi obese patients. <i>Saudi Journal of Biological Sciences</i> , 2019 , 26, 1338-1343	4	5
22	Prevalence of Infection and Diagnostic Methods in the Middle East and North Africa Region. <i>Medicina (Lithuania)</i> , 2020 , 56,	3.1	5

21	Optimization of Thymoquinone-Loaded Coconut Oil Nanostructured Lipid Carriers for the Management of Ethanol-Induced Ulcer. <i>AAPS PharmSciTech</i> , 2020 , 21, 137	3.9	4
20	Severe hyperhomocysteinemia due to cystathionine β -synthase deficiency, and Factor V Leiden mutation in a patient with recurrent venous thrombosis. <i>Thrombosis Journal</i> , 2014 , 12, 30	5.6	4
19	Familial Hypercholesterolemia in the Arabian Gulf Region: Clinical results of the Gulf FH Registry. <i>PLoS ONE</i> , 2021 , 16, e0251560	3.7	4
18	Improvement initiative in LDL-C management in Saudi Arabia: A call to action. <i>IJC Heart and Vasculature</i> , 2020 , 31, 100667	2.4	3
17	Development of Polymer and Surfactant Based Naringenin Nanosuspension for Improvement of Stability, Antioxidant, and Antitumour Activity. <i>Journal of Chemistry</i> , 2020 , 2020, 1-10	2.3	3
16	The Prevalence of Isolated Neutropenia at High Altitude in Southern Saudi Arabia: Does Altitude Affect Leucocyte Count?. <i>International Journal of General Medicine</i> , 2020 , 13, 1373-1379	2.3	2
15	Application of Nanopharmaceuticals for Flibanserin Brain Delivery Augmentation Via the Nasal Route. <i>Nanomaterials</i> , 2020 , 10,	5.4	2
14	Integrating an interprofessional education initiative: Evidence from King Abdulaziz University. <i>Medical Teacher</i> , 2018 , 40, S15-S21	3	2
13	Acquired severe hypercholesterolemia and hypoalphalipoproteinemia. <i>Journal of Clinical Lipidology</i> , 2009 , 3, 393-7	4.9	2
12	Assessment of medical intern'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	4.4	2
11	Molecular design, synthesis and biological characterization of novel Resveratrol derivative as potential anticancer agent targeting NF- κ B. <i>Journal of Applied Biomedicine</i> , 2020 , 18, 8-17	0.6	2
10	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	4.4	1
9	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	4.4	1
8	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	1.7	1
7	Project-Based Learning Strategy for Teaching Molecular Biology: A Study of Students' Perceptions. <i>Education in Medicine Journal</i> , 2021 , 13, 43-53	3.4	1
6	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 , 14, 451-457	2.3	0
5	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	0
4	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 , 15, 3559-3565	2.3	0

- 3 Optimized 2-methoxyestradiol invasomes fortified with apamin: a promising approach for suppression of A549 lung cancer cells. *Drug Delivery*, **2022**, 29, 1536-1548 7 0
- 2 Genetic Lipoprotein Disorders and Cardiovascular Disease **2010**, 203-221
- 1 Associations between body mass index, body composition and bone density in young adults: Findings from Saudi cohort. *Journal of Radiation Research and Applied Sciences*, **2022**, 15, 268-274 1.5