

# Mohamed A Elrayess

## 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.

48  
papers

669  
citations

15  
h-index

24  
g-index

55  
ext. papers

965  
ext. citations

5.1  
avg, IF

3.9  
L-index

#	Paper	IF	Citations
48	Athlome Project Consortium: a concerted effort to discover genomic and other "omic" markers of athletic performance. <i>Physiological Genomics</i> , <b>2016</b> , 48, 183-90	3.6	67
47	Interleukin-6 induces impairment in human subcutaneous adipogenesis in obesity-associated insulin resistance. <i>Diabetologia</i> , <b>2016</b> , 59, 2406-2416	10.3	48
46	A pilot study comparing the metabolic profiles of elite-level athletes from different sporting disciplines. <i>Sports Medicine - Open</i> , <b>2018</b> , 4, 2	6.1	44
45	The endothelial nitric oxide synthase (Glu298Asp and -786T>C) gene polymorphisms are associated with coronary in-stent restenosis. <i>European Heart Journal</i> , <b>2002</b> , 23, 1955-62	9.5	44
44	R643G polymorphism in PECAM-1 influences transendothelial migration of monocytes and is associated with progression of CHD and CHD events. <i>Atherosclerosis</i> , <b>2004</b> , 177, 127-35	3.1	39
43	4-hydroxynonenal causes impairment of human subcutaneous adipogenesis and induction of adipocyte insulin resistance. <i>Free Radical Biology and Medicine</i> , <b>2017</b> , 104, 129-137	7.8	38
42	Combined metformin and insulin treatment reverses metabolically impaired omental adipogenesis and accumulation of 4-hydroxynonenal in obese diabetic patients. <i>Redox Biology</i> , <b>2017</b> , 12, 483-490	11.3	32
41	Metabolomics of dates ( <i>Phoenix dactylifera</i> ) reveals a highly dynamic ripening process accounting for major variation in fruit composition. <i>BMC Plant Biology</i> , <b>2015</b> , 15, 291	5.3	32
40	A novel functional polymorphism in the PECAM-1 gene (53G>A) is associated with progression of atherosclerosis in the LOCAT and REGRESS studies. <i>Atherosclerosis</i> , <b>2003</b> , 168, 131-8	3.1	32
39	Triglyceride profiling in adipose tissues from obese insulin sensitive, insulin resistant and type 2 diabetes mellitus individuals. <i>Journal of Translational Medicine</i> , <b>2018</b> , 16, 175	8.5	29
38	SIRT1 Limits Adipocyte Hyperplasia through c-Myc Inhibition. <i>Journal of Biological Chemistry</i> , <b>2016</b> , 291, 2119-35	5.4	27
37	Metabolic signature of obesity-associated insulin resistance and type 2 diabetes. <i>Journal of Translational Medicine</i> , <b>2019</b> , 17, 348	8.5	26
36	Metabolomics profiling of xenobiotics in elite athletes: relevance to supplement consumption. <i>Journal of the International Society of Sports Nutrition</i> , <b>2018</b> , 15, 48	4.5	17
35	Genome-Wide Association Study Reveals a Novel Association Between MYBPC3 Gene Polymorphism, Endurance Athlete Status, Aerobic Capacity and Steroid Metabolism. <i>Frontiers in Genetics</i> , <b>2020</b> , 11, 595	4.5	16
34	The association of HFE gene H63D polymorphism with endurance athlete status and aerobic capacity: novel findings and a meta-analysis. <i>European Journal of Applied Physiology</i> , <b>2020</b> , 120, 665-673	3.4	15
33	Association of polybrominated diphenyl ethers in two fat compartments with increased risk of insulin resistance in obese individuals. <i>Chemosphere</i> , <b>2018</b> , 209, 268-276	8.4	14
32	New Three-Dimensional Poly(decanediol-co-tricarballoylate) Elastomeric Fibrous Mesh Fabricated by Photoreactive Electrospinning for Cardiac Tissue Engineering Applications. <i>Polymers</i> , <b>2018</b> , 10,	4.5	14

31	Liposome mediated-CYP1A1 gene silencing nanomedicine prepared using lipid film-coated proliposomes as a potential treatment strategy of lung cancer. <i>International Journal of Pharmaceutics</i> , <b>2019</b> , 566, 185-193	6.5	10
30	SIRT1 promotes lipid metabolism and mitochondrial biogenesis in adipocytes and coordinates adipogenesis by targeting key enzymatic pathways. <i>Scientific Reports</i> , <b>2021</b> , 11, 8177	4.9	10
29	Metabolic profiling of elite athletes with different cardiovascular demand. <i>Scandinavian Journal of Medicine and Science in Sports</i> , <b>2019</b> , 29, 933-943	4.6	9
28	Modifier effect of the Toll-like receptor 4 D299G polymorphism in children with cystic fibrosis. <i>Archivum Immunologiae Et Therapiae Experimentalis</i> , <b>2006</b> , 54, 271-6	4	8
27	Metabolic GWAS of elite athletes reveals novel genetically-influenced metabolites associated with athletic performance. <i>Scientific Reports</i> , <b>2019</b> , 9, 19889	4.9	8
26	Letrozole-loaded nonionic surfactant vesicles prepared via a slurry-based proniosome technology: Formulation development and characterization. <i>Journal of Drug Delivery Science and Technology</i> , <b>2020</b> , 58, 101721	4.5	7
25	Profiling the Oral Microbiome and Plasma Biochemistry of Obese Hyperglycemic Subjects in Qatar. <i>Microorganisms</i> , <b>2019</b> , 7,	4.9	7
24	Role of Inflammatory Cytokines, Growth Factors and Adipokines in Adipogenesis and Insulin Resistance. <i>Inflammation</i> , <b>2021</b> , 1	5.1	7
23	Assessment of Serum Cytokines and Oxidative Stress Markers in Elite Athletes Reveals Unique Profiles Associated With Different Sport Disciplines. <i>Frontiers in Physiology</i> , <b>2020</b> , 11, 600888	4.6	6
22	Metabolic profiling of pre-gestational and gestational diabetes mellitus identifies novel predictors of pre-term delivery. <i>Journal of Translational Medicine</i> , <b>2020</b> , 18, 366	8.5	6
21	Metabolic consequences of obesity on the hypercoagulable state of polycystic ovary syndrome. <i>Scientific Reports</i> , <b>2021</b> , 11, 5320	4.9	6
20	Age and Sport Intensity-Dependent Changes in Cytokines and Telomere Length in Elite Athletes. <i>Antioxidants</i> , <b>2021</b> , 10,	7.1	5
19	Metabolomics of Lean/Overweight Insulin-Resistant Females Reveals Alterations in Steroids and Fatty Acids. <i>Journal of Clinical Endocrinology and Metabolism</i> , <b>2021</b> , 106, e638-e649	5.6	5
18	Mediators of Impaired Adipogenesis in Obesity-Associated Insulin Resistance and T2DM <b>2019</b> ,		4
17	Impact of phospholipids, surfactants and cholesterol selection on the performance of transfersomes vesicles using medical nebulizers for pulmonary drug delivery. <i>Journal of Drug Delivery Science and Technology</i> , <b>2021</b> , 66, 102822	4.5	4
16	Preparation and optimization of monodisperse polymeric microparticles using modified vibrating orifice aerosol generator for controlled delivery of letrozole in breast cancer therapy. <i>Drug Development and Industrial Pharmacy</i> , <b>2018</b> , 44, 1953-1965	3.6	3
15	Suppression of GATA-3 increases adipogenesis, reduces inflammation and improves insulin sensitivity in 3T3L-1 preadipocytes. <i>Cellular Signalling</i> , <b>2020</b> , 75, 109735	4.9	3
14	Signal Transducer and Activator of Transcription 3 (STAT3) Suppresses STAT1/Interferon Signaling Pathway and Inflammation in Senescent Preadipocytes. <i>Antioxidants</i> , <b>2021</b> , 10,	7.1	3

13	Sestrin2 suppression aggravates oxidative stress and apoptosis in endothelial cells subjected to pharmacologically induced endoplasmic reticulum stress. <i>European Journal of Pharmacology</i> , <b>2021</b> , 907, 174247	5.3	3
12	Proteomics and metabolomics research in exercise and sport <b>2019</b> , 539-566		2
11	Cistanche tubulosa induces reactive oxygen species-mediated apoptosis of primary and metastatic human colon cancer cells. <i>Journal of Applied Pharmaceutical Science</i> ,	2	2
10	Association of Complement-Related Proteins in Subjects With and Without Second Trimester Gestational Diabetes. <i>Frontiers in Endocrinology</i> , <b>2021</b> , 12, 641361	5.7	2
9	Metabolomic Profiling of Pregnancies With Polycystic Ovary Syndrome Identifies a Unique Metabolic Signature and Potential Predictive Biomarkers of Low Birth Weight. <i>Frontiers in Endocrinology</i> , <b>2021</b> , 12, 638727	5.7	2
8	Level of maternal respiratory syncytial virus (RSV) F antibodies in hospitalized children and correlates of protection. <i>International Journal of Infectious Diseases</i> , <b>2021</b> , 109, 56-62	10.5	2
7	Prevalence and Predictors of Insulin Resistance in Non-Obese Healthy Young Females in Qatar. <i>International Journal of Environmental Research and Public Health</i> , <b>2020</b> , 17,	4.6	1
6	Comparing Levels of Metabolic Predictors of Coronary Heart Disease between Healthy Lean and Overweight Females. <i>Metabolites</i> , <b>2021</b> , 11,	5.6	1
5	High Endurance Elite Athletes Show Age-dependent Lower Levels of Circulating Complements Compared to Low/Moderate Endurance Elite Athletes. <i>Frontiers in Molecular Biosciences</i> , <b>2021</b> , 8, 715035	5.6	1
4	GATA-3 as a Potential Therapeutic Target for Insulin Resistance and Type 2 Diabetes Mellitus. <i>Current Diabetes Reviews</i> , <b>2021</b> , 17, 169-179	2.7	0
3	Comparing metabolic profiles between endurance athlete and non-athlete females reveals differences in androgenic and corticosteroids levels.. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , <b>2022</b> , 106081	5.1	0
2	4-Hydroxynonenal as a biomarker of redox regulation in pathophysiology of metabolic stress. <i>Free Radical Biology and Medicine</i> , <b>2017</b> , 108, S12	7.8	
1	Triglycerides analysis in adipose tissue from insulin sensitive and insulin resistance obese patients. <i>FASEB Journal</i> , <b>2018</b> , 32, lb175	0.9	