

# Mohamed A Elrayess

## List of Publications by Year in descending order

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Version: 2024-02-01

51  
papers

1,309  
citations

361045

20  
h-index

377514

34  
g-index

55  
all docs

55  
docs citations

55  
times ranked

1719  
citing authors

#	ARTICLE	IF	CITATIONS
1	Athlome Project Consortium: a concerted effort to discover genomic and other "omic" markers of athletic performance. <i>Physiological Genomics</i> , 2016, 48, 183-190.	1.0	96
2	A pilot study comparing the metabolic profiles of elite-level athletes from different sporting disciplines. <i>Sports Medicine - Open</i> , 2018, 4, 2.	1.3	94
3	Metabolic signature of obesity-associated insulin resistance and type 2 diabetes. <i>Journal of Translational Medicine</i> , 2019, 17, 348.	1.8	92
4	SIRT1 promotes lipid metabolism and mitochondrial biogenesis in adipocytes and coordinates adipogenesis by targeting key enzymatic pathways. <i>Scientific Reports</i> , 2021, 11, 8177.	1.6	77
5	Interleukin-6 induces impairment in human subcutaneous adipogenesis in obesity-associated insulin resistance. <i>Diabetologia</i> , 2016, 59, 2406-2416.	2.9	67
6	Role of Inflammatory Cytokines, Growth Factors and Adipokines in Adipogenesis and Insulin Resistance. <i>Inflammation</i> , 2022, 45, 31-44.	1.7	62
7	The endothelial nitric oxide synthase (Glu298Asp and "786T>C) gene polymorphisms are associated with coronary in-stent restenosis. <i>European Heart Journal</i> , 2002, 23, 1955-1962.	1.0	60
8	4-hydroxynonenal causes impairment of human subcutaneous adipogenesis and induction of adipocyte insulin resistance. <i>Free Radical Biology and Medicine</i> , 2017, 104, 129-137.	1.3	51
9	Triglyceride profiling in adipose tissues from obese insulin sensitive, insulin resistant and type 2 diabetes mellitus individuals. <i>Journal of Translational Medicine</i> , 2018, 16, 175.	1.8	51
10	R643G polymorphism in PECAM-1 influences transendothelial migration of monocytes and is associated with progression of CHD and CHD events. <i>Atherosclerosis</i> , 2004, 177, 127-135.	0.4	42
11	Combined metformin and insulin treatment reverses metabolically impaired omental adipogenesis and accumulation of 4-hydroxynonenal in obese diabetic patients. <i>Redox Biology</i> , 2017, 12, 483-490.	3.9	42
12	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> , 2015, 15, 291.	1.6	41
13	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> , 2003, 168, 131-138.	0.4	36
14	SIRT1 Limits Adipocyte Hyperplasia through c-Myc Inhibition. <i>Journal of Biological Chemistry</i> , 2016, 291, 2119-2135.	1.6	33
15	Metabolic GWAS of elite athletes reveals novel genetically-influenced metabolites associated with athletic performance. <i>Scientific Reports</i> , 2019, 9, 19889.	1.6	33
16	Association of polybrominated diphenyl ethers in two fat compartments with increased risk of insulin resistance in obese individuals. <i>Chemosphere</i> , 2018, 209, 268-276.	4.2	32
17	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> , 2020, 11, 595.	1.1	30
18	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> , 2020, 120, 665-673.	1.2	29

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19	Metabolomics profiling of xenobiotics in elite athletes: relevance to supplement consumption. <i>Journal of the International Society of Sports Nutrition</i> , 2018, 15, 48.	1.7	28
20	Metabolic profiling of elite athletes with different cardiovascular demand. <i>Scandinavian Journal of Medicine and Science in Sports</i> , 2019, 29, 933-943.	1.3	23
21	Age and Sport Intensity-Dependent Changes in Cytokines and Telomere Length in Elite Athletes. <i>Antioxidants</i> , 2021, 10, 1035.	2.2	21
22	New Three-Dimensional Poly(decandiol-co-tricarballoylate) Elastomeric Fibrous Mesh Fabricated by Photoreactive Electrospinning for Cardiac Tissue Engineering Applications. <i>Polymers</i> , 2018, 10, 455.	2.0	18
23	Metabolomics of Lean/Overweight Insulin-Resistant Females Reveals Alterations in Steroids and Fatty Acids. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2021, 106, e638-e649.	1.8	18
24	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> , 2021, 66, 102822.	1.4	18
25	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> , 2019, 566, 185-193.	2.6	16
26	Metabolic consequences of obesity on the hypercoagulable state of polycystic ovary syndrome. <i>Scientific Reports</i> , 2021, 11, 5320.	1.6	16
27	Profiling the Oral Microbiome and Plasma Biochemistry of Obese Hyperglycemic Subjects in Qatar. <i>Microorganisms</i> , 2019, 7, 645.	1.6	14
28	Suppression of GATA-3 increases adipogenesis, reduces inflammation and improves insulin sensitivity in 3T3L-1 preadipocytes. <i>Cellular Signalling</i> , 2020, 75, 109735.	1.7	14
29	Assessment of Serum Cytokines and Oxidative Stress Markers in Elite Athletes Reveals Unique Profiles Associated With Different Sport Disciplines. <i>Frontiers in Physiology</i> , 2020, 11, 600888.	1.3	14
30	Metabolic profiling of pre-gestational and gestational diabetes mellitus identifies novel predictors of pre-term delivery. <i>Journal of Translational Medicine</i> , 2020, 18, 366.	1.8	14
31	Prevalence and Predictors of Insulin Resistance in Non-Obese Healthy Young Females in Qatar. <i>International Journal of Environmental Research and Public Health</i> , 2020, 17, 5088.	1.2	13
32	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> , 2020, 58, 101721.	1.4	13
33	Signal Transducer and Activator of Transcription 3 (STAT3) Suppresses STAT1/Interferon Signaling Pathway and Inflammation in Senescent Preadipocytes. <i>Antioxidants</i> , 2021, 10, 334.	2.2	12
34	Metabolomics and doping analysis: promises and pitfalls. <i>Bioanalysis</i> , 2020, 12, 719-722.	0.6	10
35	Modifier effect of the Toll-like receptor 4 D299G polymorphism in children with cystic fibrosis. <i>Archivum Immunologiae Et Therapiae Experimentalis</i> , 2006, 54, 271-276.	1.0	8
36	GATA-3 as a Potential Therapeutic Target for Insulin Resistance and Type 2 Diabetes Mellitus. <i>Current Diabetes Reviews</i> , 2021, 17, 169-179.	0.6	8

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37	Sestrin2 suppression aggravates oxidative stress and apoptosis in endothelial cells subjected to pharmacologically induced endoplasmic reticulum stress. <i>European Journal of Pharmacology</i> , 2021, 907, 174247.	1.7	8
38	apoA2 correlates to gestational age with decreased apolipoproteins A2, C1, C3 and E in gestational diabetes. <i>BMJ Open Diabetes Research and Care</i> , 2021, 9, e001925.	1.2	7
39	Level of maternal respiratory syncytial virus (RSV) F antibodies in hospitalized children and correlates of protection. <i>International Journal of Infectious Diseases</i> , 2021, 109, 56-62.	1.5	7
40	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> , 2018, 44, 1953-1965.	0.9	6
41	Mediators of Impaired Adipogenesis in Obesity-Associated Insulin Resistance and T2DM. , 2019, , .		6
42	Association of Complement-Related Proteins in Subjects With and Without Second Trimester Gestational Diabetes. <i>Frontiers in Endocrinology</i> , 2021, 12, 641361.	1.5	6
43	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> , 2021, 12, 638727.	1.5	5
44	Comparing metabolic profiles between female endurance athletes and non-athletes reveals differences in androgen and corticosteroid levels. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2022, 219, 106081.	1.2	5
45	Cistanche tubulosa induces reactive oxygen species-mediated apoptosis of primary and metastatic human colon cancer cells. <i>Journal of Applied Pharmaceutical Science</i> , 0, , .	0.7	3
46	Proteomics and metabolomics research in exercise and sport. , 2019, , 539-566.		2
47	Comparing Levels of Metabolic Predictors of Coronary Heart Disease between Healthy Lean and Overweight Females. <i>Metabolites</i> , 2021, 11, 169.	1.3	2
48	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> , 2021, 8, 715035.	1.6	2
49	4-Hydroxynonenal as a biomarker of redox regulation in pathophysiology of metabolic stress. <i>Free Radical Biology and Medicine</i> , 2017, 108, S12.	1.3	0
50	Empower Generations: Longitudinal Study for National Capacities in Life Sciences and Healthcare. <i>Frontiers in Education</i> , 2021, 6, .	1.2	0
51	Triglycerides analysis in adipose tissue from insulin sensitive and insulin resistance obese patients. <i>FASEB Journal</i> , 2018, 32, lb175.	0.2	0