Omar Y Bello-Chavolla

List of Publications by Citations

72 papers	914 citations	15 h-index	28 g-index
92 ext. papers	1,444 ext. citations	4.3 avg, IF	5.35 L-index

#	Paper	IF	Citations
72	Predicting Mortality Due to SARS-CoV-2: A Mechanistic Score Relating Obesity and Diabetes to COVID-19 Outcomes in Mexico. *Journal of Clinical Endocrinology and Metabolism*, **2020**, 105,	5.6	199
71	Trends in Diabetes Subgroups and Their Risk for All-Cause, Cardiovascular Disease and Diabetes-Specific Mortality in the US: A Data-Driven Reproducible Machine Learning Approach. *Journal of the Endocrine Society*, **2021**, 5, A423-A423	0.4	78
70	Elevated Serum Uric Acid Is a Facilitating Mechanism for Insulin Resistance Mediated Accumulation of Visceral Adipose Tissue. *Journal of the Endocrine Society*, **2021**, 5, A44-A45	0.4	78
69	Unequal Impact of Structural Health Determinants and Comorbidity on COVID-19 Severity and Lethality in Older Mexican Adults: Considerations Beyond Chronological Aging. *Journals of Gerontology - Series A Biological Sciences and Medical Sciences*, **2021**, 76, e52-e59	6.4	44
68	METS-IR, a novel score to evaluate insulin sensitivity, is predictive of visceral adiposity and incident type 2 diabetes. *European Journal of Endocrinology*, **2018**, 178, 533-544	6.5	43
67	Epidemiology of diabetes mellitus in Mexico. *Nutrition Reviews*, **2017**, 75, 4-12	6.4	40
66	Spatial analysis of COVID-19 spread in Iran: Insights into geographical and structural transmission determinants at a province level. *PLoS Neglected Tropical Diseases*, **2020**, 14, e0008875	4.8	39
65	Predicting mortality due to SARS-CoV-2: A mechanistic score relating obesity and diabetes to COVID-19 outcomes in Mexico		26
64	Performance of LDL-C calculated with Martin⅋s formula compared to the Friedewald equation in familial combined hyperlipidemia. *Atherosclerosis*, **2018**, 277, 204-210	3.1	25
63	Pathophysiological Mechanisms Linking Type 2 Diabetes and Dementia: Review of Evidence from Clinical, Translational and Epidemiological Research. *Current Diabetes Reviews*, **2019**, 15, 456-470	2.7	23
62	Development and validation of a predictive model for incident type 2 diabetes in middle-aged Mexican adults: the metabolic syndrome cohort. *BMC Endocrine Disorders*, **2019**, 19, 41	3.3	20
61	FAMILIAL COMBINED HYPERLIPIDEMIA: CURRENT KNOWLEDGE, PERSPECTIVES, AND CONTROVERSIES. *Revista De Investigacion Clinica*, **2018**, 70, 224-236	1.6	19
60	Promising biomarkers of human aging: In search of a multi-omics panel to understand the aging process from a multidimensional perspective. *Ageing Research Reviews*, **2020**, 64, 101164	12	19
59	Impact of undiagnosed type 2 diabetes and pre-diabetes on severity and mortality for SARS-CoV-2 infection. *BMJ Open Diabetes Research and Care*, **2021**, 9,	4.5	16
58	Assessing the Burden of Coronavirus Disease 2019 (COVID-19) Among Healthcare Workers in Mexico City: A Data-Driven Call to Action. *Clinical Infectious Diseases*, **2021**, 73, e191-e198	11.6	15
57	Optimization of kidney dysfunction prediction in diabetic kidney disease using targeted metabolomics. *Acta Diabetologica*, **2018**, 55, 1151-1161	3.9	13
56	Bloodstream infection caused by S. aureus in patients with cancer: a 10-year longitudinal single-center study. *Supportive Care in Cancer*, **2018**, 26, 4057-4065	3.9	13

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55	Long-term effectiveness of a type 2 diabetes comprehensive care program. The CAIPaDi model. *Diabetes Research and Clinical Practice*, **2019**, 151, 128-137	7.4	12
54	Validation and repurposing of the MSL-COVID-19 score for prediction of severe COVID-19 using simple clinical predictors in a triage setting: The Nutri-CoV score. *PLoS ONE*, **2020**, 15, e0244051	3.7	12
53	Clinical characterization of data-driven diabetes subgroups in Mexicans using a reproducible machine learning approach. *BMJ Open Diabetes Research and Care*, **2020**, 8,	4.5	12
52	Prediction of incident hypertension and arterial stiffness using the non-insulin-based metabolic score for insulin resistance (METS-IR) index. *Journal of Clinical Hypertension*, **2019**, 21, 1063-1070	2.3	11
51	Metabolic Score for Visceral Fat (METS-VF), a novel estimator of intra-abdominal fat content and cardio-metabolic health. *Clinical Nutrition*, **2020**, 39, 1613-1621	5.9	11
50	The SLC16A11 risk haplotype is associated with decreased insulin action, higher transaminases and large-size adipocytes. *European Journal of Endocrinology*, **2019**, 180, 99-107	6.5	10
49	Comprehensive evaluation of the impact of sociodemographic inequalities on adverse outcomes and excess mortality during the COVID-19 pandemic in Mexico City. *Clinical Infectious Diseases*, **2021**,	11.6	9
48	Quality of life is significantly impaired in both secretory and non-functioning pituitary adenomas. *Clinical Endocrinology*, **2019**, 90, 457-467	3.4	8
47	Mexican Carriers of the p.E508K Variant Do Not Experience an Enhanced Response to Sulfonylureas. *Diabetes Care*, **2018**, 41, 1726-1731	14.6	8
46	Identification of a threshold to discriminate fasting hypertriglyceridemia with postprandial values. *Lipids in Health and Disease*, **2018**, 17, 156	4.4	7
45	Profiling Cases With Nonrespiratory Symptoms and Asymptomatic Severe Acute Respiratory Syndrome Coronavirus 2 Infections in Mexico City. *Clinical Infectious Diseases*, **2021**, 72, e655-e658	11.6	7
44	The combination of insulin resistance and visceral adipose tissue estimation improves the performance of metabolic syndrome as a predictor of type 2 diabetes. *Diabetic Medicine*, **2020**, 37, 1192-1201	3.5	6
43	Comparative assessment of LDL-C and VLDL-C estimation in familial combined hyperlipidemia using Sampson's, Martin's and Friedewald's equations. *Lipids in Health and Disease*, **2021**, 20, 46	4.4	6
42	Diabetes in Latin America **2017**, 101-126		5
41	Serum Vitamin D Levels Are Associated With Increased COVID-19 Severity and Mortality Independent of Whole-Body and Visceral Adiposity.. *Frontiers in Nutrition*, **2022**, 9, 813485	6.2	5
40	Spatial analysis of COVID-19 spread in Iran: Insights into geographical and structural transmission determinants at a province level		5
39	Unequal impact of structural health determinants and comorbidity on COVID-19 severity and lethality in older Mexican adults: Looking beyond chronological aging		5
38	Assessing the burden of COVID-19 amongst healthcare workers in Mexico City: A data-driven call to action		5

37	Diagnostic performance and clinical implications of rapid SARS-CoV-2 antigen testing in Mexico using real-world nationwide COVID-19 registry data		5
36	Familial hypertriglyceridemia: an entity with distinguishable features from other causes of hypertriglyceridemia. *Lipids in Health and Disease*, **2021**, 20, 14	4.4	5
35	Adaptive Metabolic and Inflammatory Responses Identified Using Accelerated Aging Metrics Are Linked to Adverse Outcomes in Severe SARS-CoV-2 Infection. *Journals of Gerontology - Series A Biological Sciences and Medical Sciences*, **2021**, 76, e117-e126	6.4	5
34	Spatial epidemiological study of the distribution, clustering, and risk factors associated with early COVID-19 mortality in Mexico. *PLoS ONE*, **2021**, 16, e0254884	3.7	4
33	Multinational modeling of SARS-CoV-2 spreading dynamics: Insights on the heterogeneity of COVID-19 transmission and its potential healthcare burden		3
32	Adaptive metabolic and inflammatory responses identified using accelerated aging metrics are linked to adverse outcomes in severe SARS-CoV-2 infection		3
31	Diagnostic performance and clinical implications of rapid SARS-CoV-2 antigen testing in Mexico using real-world nationwide COVID-19 registry data. *PLoS ONE*, **2021**, 16, e0256447	3.7	3
30	Epicardial adipose tissue thickness is associated with increased COVID-19 severity and mortality.. *International Journal of Obesity*, **2022**,	5.5	2
29	Evaluació de la implementació del programa Sicalidad en Mĺxico. *Salud Publica De Mexico*, **2015**, 57, 329	1.7	2
28	Geriatric Syndromes and Not Cardiovascular Risk Factors are Associated with Cognitive Impairment among Mexican Community-Dwelling Elderly with Type 2 Diabetes. *Revista De Investigacion Clinica*, **2017**, 69, 166-172	1.6	2
27	The type 2 diabetes-specific dementia risk score (DSDRS) is associated with frailty, cognitive and functional status amongst Mexican community-dwelling older adults. *BMC Geriatrics*, **2020**, 20, 363	4.1	2
26	Serum Vitamin D levels are associated with increased COVID-19 severity and mortality independent of visceral adiposity		2
25	Comprehensive evaluation of the impact of sociodemographic inequalities on adverse outcomes and excess mortality during the COVID-19 pandemic in Mexico City		2
24	Increased visceral fat accumulation modifies the effect of insulin resistance on arterial stiffness and hypertension risk. *Nutrition, Metabolism and Cardiovascular Diseases*, **2021**, 31, 506-517	4.5	2
23	Trends and age-period-cohort effects on hypertension mortality rates from 1998 to 2018 in Mexico. *Scientific Reports*, **2021**, 11, 17553	4.9	2
22	Higher Veterans Aging Cohort Study 2.0 Index Score Predicts Functional Decline Among Older Adults Living with HIV. *AIDS Research and Human Retroviruses*, **2021**, 37, 878-883	1.6	2
21	Prevalence trends of diabetes subgroups in the US: A data-driven analysis spanning three decades from NHANES (1988-2018). *Journal of Clinical Endocrinology and Metabolism*, **2021**,	5.6	1
20	FACTORS INFLUENCING ACHIEVEMENT OF LOW-DENSITY LIPOPROTEIN CHOLESTEROL GOALS IN MEXICO: THE INTERNATIONAL CHOLESTEROL MANAGEMENT PRACTICE STUDY. *Revista De Investigacion Clinica*, **2019**, 71, 408-416	1.6	1

19 Profiling cases with non-respiratory symptoms and asymptomatic SARS-CoV-2 infections in Mexico City — 1

18 Development and validation of a tool for predicting type 2 diabetes in Mexican women of reproductive age. *Endocrinologia, Diabetes Y Nutrición*, **2020**, 67, 578-585 — 1.3 — 1

17 A High Incidence of Metabolic Syndrome Traits in Mexicans Points at Obesity-Related Metabolic Dysfunction. *Diabetes, Metabolic Syndrome and Obesity: Targets and Therapy*, **2021**, 14, 1073-1082 — 3.4 — 1

16 Letter to the Editor from Bello-Chavolla et al: "Are the Different Diabetes Subgroups Correlated With All-Cause, Cancer-related, and Cardiovascular-related Mortality?". *Journal of Clinical Endocrinology and Metabolism*, **2021**, 106, e3289-e3290 — 5.6 — 1

15 Epicardial adipose tissue thickness is associated with increased severity and mortality related to SARS-CoV-2 infection — 1

14 Variability in case fatality rate risk due to Covid-19 according to health services provider in Mexico City hospitals.. *Salud Publica De Mexico*, **2022**, 64, 119-130 — 1.7 — 0

13 Development and validation of a tool for predicting type 2 diabetes in Mexican women of reproductive age. *Endocrinología Diabetes Y Nutrición (English Ed.)*, **2020**, 67, 578-585 — 0.1

12 Bioinformatics and Genomics for Epidemiologists **2022**, 131-143

11 Principles of Imaging for Epidemiologists **2022**, 117-130

10 Spatial analysis of COVID-19 spread in Iran: Insights into geographical and structural transmission determinants at a province level **2020**, 14, e0008875

9 Spatial analysis of COVID-19 spread in Iran: Insights into geographical and structural transmission determinants at a province level **2020**, 14, e0008875

8 Spatial analysis of COVID-19 spread in Iran: Insights into geographical and structural transmission determinants at a province level **2020**, 14, e0008875

7 Spatial analysis of COVID-19 spread in Iran: Insights into geographical and structural transmission determinants at a province level **2020**, 14, e0008875

6 Spatial analysis of COVID-19 spread in Iran: Insights into geographical and structural transmission determinants at a province level **2020**, 14, e0008875

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4 Validation and repurposing of the MSL-COVID-19 score for prediction of severe COVID-19 using simple clinical predictors in a triage setting: The Nutri-CoV score **2020**, 15, e0244051

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