Lorena Orozco

List of Articles by Year in descending order

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116 peer-reviewed articles	19,582 peer-reviewed citations	169444 33 peer-reviewed h-index	1131000 2.82 score
118 documents	21603 doc citations	176230 35 h-index	16100 citing authors

#	Article	IF	Citations
1	De la genómica a la medicina de precisión en diabetes tipo 2. Gaceta Medica De Mexico, 2025, , .	0.1	0
2	From genomics to precision medicine in type 2 diabetes. Gaceta Medica De Mexico, 2025, 161, .	0.1	0
3	Ancestry-dependent genetic structure of the Xq28 risk haplotype in the Mexican population and its association with childhood-onset systemic lupus erythematosus. Frontiers in Medicine, 2023, 9, .	1.6	0
4	The role of single nucleotide variant rs3819817 of the Histidine Ammonia-Lyase gene and 25-Hydroxyvitamin D on bone mineral density, adiposity markers, and skin pigmentation, in Mexican population. Journal of Endocrinological Investigation, 2023, 46, 1911-1921.	2.1	4
5	Single nucleotide variants in microRNA biosynthesis genes in Mexican individuals. Frontiers in Genetics, 2023, 14, .	1.6	0
6	Sex differences in the influence of type 2 diabetes (T2D)-related genes, parental history of T2D, and obesity on T2D development: a case–control study. Biology of Sex Differences, 2023, 14, .	2.7	21
7	Generation of two induced pluripotent stem cell lines from patients suffering from pulmonary hypertension. Stem Cell Research, 2023, 72, 103218.	0.3	1
8	Genetic Distribution of Five Spinocerebellar Ataxia Microsatellite Loci in Mexican Native American Populations and Its Impact on Contemporary Mestizo Populations. Genes, 2022, 13, 157.	1.8	1
9	Rare coding variants in 35 genes associate with circulating lipid levels—A multi-ancestry analysis of 170,000 exomes. American Journal of Human Genetics, 2022, 109, 81-96.	4.0	37
10	Exome Sequencing Data Analysis and a Case-Control Study in Mexican Population Reveals Lipid Trait Associations of New and Known Genetic Variants in Dyslipidemia-Associated Loci. Frontiers in Genetics, 2022, 13, .	1.6	4
11	Dysferlinopathy misdiagnosed with juvenile polymyositis in the pre-symptomatic stage of hyperCKemia: a case report and literature review. BMC Medical Genomics, 2022, 15, .	1.3	16
12	MicroRNA delivery systems in glioma therapy and perspectives: A systematic review. Journal of Controlled Release, 2022, 349, 712-730.	8.1	35
13	Clinical and Immunological Factors That Distinguish COVID-19 From Pandemic Influenza A(H1N1). Frontiers in Immunology, 2021, 12, .	3.3	58
14	Genetic discovery and risk characterization in type 2 diabetes across diverse populations. Human Genetics and Genomics Advances, 2021, 2, 100029.	0.8	39
15	Whole genome variation in 27 Mexican indigenous populations, demographic and biomedical insights. PLoS ONE, 2021, 16, e0249773.	1.5	17
16	Reconstruction of ancient microbial genomes from the human gut. Nature, 2021, 594, 234-239.	30.6	237
17	Determinants of penetrance and variable expressivity in monogenic metabolic conditions across 77,184 exomes. Nature Communications, 2021, 12, .	10.8	104
18	Two novel variants in DYRK1B causative of AOMS3: expanding the clinical spectrum. Orphanet Journal of Rare Diseases, 2021, 16, .	1.8	11

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19	The L125F MATE1 variant enriched in populations of Amerindian origin is associated with increased plasma levels of metformin and lactate. Biomedicine and Pharmacotherapy, 2021, 142, 112009.	5.4	5
20	Alterations of DNA methylation during adipogenesis differentiation of mesenchymal stem cells isolated from adipose tissue of patients with obesity is associated with type 2 diabetes. Adipocyte, 2021, 10, 493-504.	2.0	15
21	The genomic landscape of Mexican Indigenous populations brings insights into the peopling of the Americas. Nature Communications, 2021, 12, .	10.8	53
22	The power of genetic diversity in genome-wide association studies of lipids. Nature, 2021, 600, 675-679.	30.6	956
23	Replication of Integrative Data Analysis for Adipose Tissue Dysfunction, Low-Grade Inflammation, Postprandial Responses and OMICs Signatures in Symptom-Free Adults. Biology, 2021, 10, 1342.	2.2	2
24	Association between vitamin D deficiency and common variants of Vitamin D binding protein gene among Mexican Mestizo and indigenous postmenopausal women. Journal of Endocrinological Investigation, 2020, 43, 935-946.	2.1	12
25	Evaluating drug targets through human loss-of-function genetic variation. Nature, 2020, 581, 459-464.	30.6	187
26	The mutational constraint spectrum quantified from variation in 141,456 humans. Nature, 2020, 581, 434-443.	30.6	9,614
27	A structural variation reference for medical and population genetics. Nature, 2020, 581, 444-451.	30.6	1,015
28	Transcript expression-aware annotation improves rare variant interpretation. Nature, 2020, 581, 452-458.	30.6	194
29	Metabolic syndrome in indigenous communities in Mexico: a descriptive and cross-sectional study. BMC Public Health, 2020, 20, .	2.1	51
30	ALOX5,LPA,MMP9andTPOgene polymorphisms increase atherothrombosis susceptibility in middle-aged Mexicans. Royal Society Open Science, 2020, 7, 190775.	1.6	7
31	Towards precision medicine: defining and characterizing adipose tissue dysfunction to identify early immunometabolic risk in symptom-free adults from the GEMM family study. Adipocyte, 2020, 9, 153-169.	2.0	17
32	MON-708 Characterizing DNA Methylation Signatures in Adipose Tissue from Metabolic Impaired Asymptomatic Individuals. Journal of the Endocrine Society, 2020, 4, .	0.2	0
33	A homozygous CEP57 c.915_925dupCAATGTTCAGC mutation in a patient with mosaic variegated aneuploidy syndrome with rhizomelic shortening in the upper and lower limbs and a narrow thorax. European Journal of Medical Genetics, 2019, 62, 195-197.	1.3	12
34	The role of oxidant stress and gender in the erythrocyte arginine metabolism and ammonia management in patients with type 2 diabetes. PLoS ONE, 2019, 14, e0219481.	1.5	31
35	Variation in Actionable Pharmacogenetic Markers in Natives and Mestizos From Mexico. Frontiers in Pharmacology, 2019, 10, .	2.6	22
36	Association between APOE polymorphisms and lipid profile in Mexican Amerindian population. Molecular Genetics & Genomic Medicine, 2019, 7, .	1.0	19

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37	Associations of autozygosity with a broad range of human phenotypes. Nature Communications, 2019, 10, .	10.8	122
38	Catalytically Impaired TYK2 Variants are Protective Against Childhood- and Adult-Onset Systemic Lupus Erythematosus in Mexicans. Scientific Reports, 2019, 9, .	2.7	18
39	Next-generation sequencing for identifying a novel/de novo pathogenic variant in a Mexican patient with cystic fibrosis: a case report. BMC Medical Genomics, 2019, 12, .	1.3	5
40	Analysis of the dynamic aberrant landscape of DNA methylation and gene expression during arsenic-induced cell transformation. Gene, 2019, 711, 143941.	1.6	16
41	Exome sequencing of 20,791 cases of type 2 diabetes and 24,440 controls. Nature, 2019, 570, 71-76.	30.6	314
42	Comparing signals of natural selection between three Indigenous North American populations. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 9312-9317.	5.2	68
43	Curcumin induces p53-independent inactivation of Nrf2 during oxidative stress–induced apoptosis. Human and Experimental Toxicology, 2019, 38, 951-961.	2.0	37
44	Influence of obesity, parental history of diabetes, and genes in type 2 diabetes: A case-control study. Scientific Reports, 2019, 9, .	2.7	32
45	Genetic variability of five ADRB2 polymorphisms among Mexican Amerindian ethnicities and the Mestizo population. PLoS ONE, 2019, 14, e0225030.	1.5	8
46	Curcumin differentially affects cell cycle and cell death in acute and chronic myeloid leukemia cells. Oncology Letters, 2018, , .	1.1	28
47	Altered DNA methylation in liver and adipose tissues derived from individuals with obesity and type 2 diabetes. BMC Medical Genetics, 2018, 19, .	1.8	50
48	Influence of SNPs in Genes that Modulate Lung Disease Severity in a Group of Mexican Patients with Cystic Fibrosis. Archives of Medical Research, 2018, 49, 18-26.	1.9	4
49	A homozygous mutation in the PSMB8 gene in a case with proteasome-associated autoinflammatory syndrome. Scandinavian Journal of Rheumatology, 2018, 47, 251-254.	0.6	7
50	Deep Multi-OMICs and Multi-Tissue Characterization in a Pre- and Postprandial State in Human Volunteers: The GEMM Family Study Research Design. Genes, 2018, 9, 532.	1.8	15
51	Tuberculosis and impaired IL-23–dependent IFN-γ immunity in humans homozygous for a common TYK2 missense variant. Science Immunology, 2018, 3, .	8.9	207
52	Gene variants in AKT1, GCKR and SOCS3 are differentially associated with metabolic traits in Mexican Amerindians and Mestizos. Gene, 2018, 679, 160-171.	1.6	20
53	Association between Vitamin D Deficiency and Single Nucleotide Polymorphisms in the Vitamin D Receptor and GC Genes and Analysis of Their Distribution in Mexican Postmenopausal Women. Nutrients, 2018, 10, 1175.	3.2	29
54	Programa de detección del alelo APOE-E4 en adultos mayores mexicanos con deterioro cognitivo. Gaceta Medica De Mexico, 2018, 154, .	0.1	5

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55	ERBIN deficiency links STAT3 and TGF-β pathway defects with atopy in humans. Journal of Experimental Medicine, 2017, 214, 669-680.	5.9	99
56	Origin of the myotonic dystrophy type 1 mutation in Mexican population and influence of Amerindian ancestry on CTG repeat allelic distribution. Neuromuscular Disorders, 2017, 27, 1106-1114.	0.3	6
57	Demographic history and biologically relevant genetic variation of Native Mexicans inferred from whole-genome sequencing. Nature Communications, 2017, 8, .	10.8	50
58	A Loss-of-Function Splice Acceptor Variant in IGF2 Is Protective for Type 2 Diabetes. Diabetes, 2017, 66, 2903-2914.	3.2	61
59	Transancestral mapping and genetic load in systemic lupus erythematosus. Nature Communications, 2017, 8, .	10.8	431
60	Type 2 Diabetes Variants Disrupt Function of SLC16A11 through Two Distinct Mechanisms. Cell, 2017, 170, 199-212.e20.	23.4	153
61	GSTT1 and GSTM1 null variants in Mestizo and Amerindian populations from northwestern Mexico and a literature review. Genetics and Molecular Biology, 2017, 40, 727-735.	0.8	21
62	Gender-Dependent Association of FTO Polymorphisms with Body Mass Index in Mexicans. PLoS ONE, 2016, 11, e0145984.	1.5	46
63	Heterogenous Distribution of MTHFR Gene Variants among Mestizos and Diverse Amerindian Groups from Mexico. PLoS ONE, 2016, 11, e0163248.	1.5	43
64	A Subpopulation of the K562 Cells Are Killed by Curcumin Treatment after G2/M Arrest and Mitotic Catastrophe. PLoS ONE, 2016, 11, e0165971.	1.5	19
65	Genome-Wide Association Study in an Amerindian Ancestry Population Reveals Novel Systemic Lupus Erythematosus Risk Loci and the Role of European Admixture. Arthritis and Rheumatology, 2016, 68, 932-943.	4.5	163
66	Analysis of protein-coding genetic variation in 60,706 humans. Nature, 2016, 536, 285-291.	30.6	10,051
67	A transcriptome-based model of central memory CD4 T cell death in HIV infection. BMC Genomics, 2016, 17, .	2.1	16
68	Pro-adhesive phenotype of normal endothelial cells responding to metastatic breast cancer cell conditioned medium is linked to NFκB-mediated transcriptomic regulation. International Journal of Oncology, 2016, 49, 2173-2185.	3.6	7
69	The rs61764370 Functional Variant in the KRAS Oncogene is Associated with Chronic Myeloid Leukemia Risk in Women. Asian Pacific Journal of Cancer Prevention, 2016, 17, 2265-2270.	0.9	11
70	Association of HMOX1 and NQO1 Polymorphisms with Metabolic Syndrome Components. PLoS ONE, 2015, 10, e0123313.	1.5	35
71	NFE2L2Gene Variants and Arsenic Susceptibility: A Lymphoblastoid Model. Journal of Toxicology and Environmental Health - Part A: Current Issues, 2015, 78, 628-634.	1.6	4
72	Genomewide admixture study in Mexican Mestizos with multiple sclerosis. Clinical Neurology and Neurosurgery, 2015, 130, 55-60.	1.0	26

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73	Genetic Variants Associated With Quantitative Glucose Homeostasis Traits Translate to Type 2 Diabetes in Mexican Americans: The GUARDIAN (Genetics Underlying Diabetes in Hispanics) Consortium. Diabetes, 2015, 64, 1853-1866.	3.2	88
74	Circulating levels of miR-150 are associated with poorer outcomes of A/H1N1 infection. Experimental and Molecular Pathology, 2015, 99, 253-261.	2.5	38
75	SPINK5andADRB2haplotypes are risk factors for asthma in Mexican pediatric patients. Journal of Asthma, 2015, 52, 232-239.	1.1	15
76	The NRF2-KEAP1 Pathway Is an Early Responsive Gene Network in Arsenic Exposed Lymphoblastoid Cells. PLoS ONE, 2014, 9, e88069.	1.5	24
77	Impact of Gene Dosage on Gene Expression, Biological Processes and Survival in Cervical Cancer: A Genome-Wide Follow-Up Study. PLoS ONE, 2014, 9, e97842.	1.5	60
78	Small MAF genes variants and chronic myeloid leukemia. European Journal of Haematology, 2014, 92, 35-41.	1.5	13
79	Rare variants in PPARG with decreased activity in adipocyte differentiation are associated with increased risk of type 2 diabetes. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 13127-13132.	5.2	170
80	Association of a Low-Frequency Variant inHNF1AWith Type 2 Diabetes in a Latino Population. JAMA - Journal of the American Medical Association, 2014, 311, 2305.	14.4	263
81	Nuclear factor erythroid 2-related factor gene variants and susceptibility of arsenic-related skin lesions. Human and Experimental Toxicology, 2014, 33, 582-589.	2.0	5
82	Allelic heterogeneity in NCF2 associated with systemic lupus erythematosus (SLE) susceptibility across four ethnic populations. Human Molecular Genetics, 2014, 23, 1656-1668.	2.1	80
83	CHRM2 but not CHRM1 or CHRM3 polymorphisms are associated with asthma susceptibility in Mexican patients. Molecular Biology Reports, 2014, 41, 2109-2117.	1.9	7
84	WNT3A gene polymorphisms are associated with bone mineral density variation in postmenopausal mestizo women of an urban Mexican population: findings of a pathway-based high-density single nucleotide screening. Age, 2014, 36, .	3.0	28
85	The PXR rs7643645 Polymorphism Is Associated with the Risk of Higher Prostate-Specific Antigen Levels in Prostate Cancer Patients. PLoS ONE, 2014, 9, e99974.	1.5	11
86	Seasonal and pandemic influenza H1N1 viruses induce differential expression of SOCS-1 and RIG-I genes and cytokine/chemokine production in macrophages. Cytokine, 2013, 62, 151-159.	2.0	36
87	Polymorphisms in metalloproteinase-9 are associated with the risk for asthma in Mexican pediatric patients. Human Immunology, 2013, 74, 998-1002.	0.5	23
88	Juvenile rheumatoid arthritis and asthma, but not childhood-onset systemic lupus erythematosus are associated with FCRL3 polymorphisms in Mexicans. Molecular Immunology, 2013, 53, 374-378.	1.9	27
89	Sequence variants in SLC16A11 are a common risk factor for type 2 diabetes in Mexico. Nature, 2013, 506, 97-101.	30.6	497
90	Molecular Screening of the CFTR Gene in Mexican Patients with Congenital Absence of the Vas Deferens. Genetic Testing and Molecular Biomarkers, 2012, 16, 292-296.	0.6	3

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91	Impact of genetic ancestry and sociodemographic status on the clinical expression of systemic lupus erythematosus in American Indian–European populations. Arthritis and Rheumatism, 2012, 64, 3687-3694.	6.1	79
92	MiR-146a polymorphism is associated with asthma but not with systemic lupus erythematosus and juvenile rheumatoid arthritis in Mexican patients. Tissue Antigens, 2012, 80, 317-321.	0.6	72
93	Amplified Genes May Be Overexpressed, Unchanged, or Downregulated in Cervical Cancer Cell Lines. PLoS ONE, 2012, 7, e32667.	1.5	47
94	Association study of DRD3 gene in schizophrenia in Mexican sib-pairs. Psychiatry Research, 2011, 190, 367-368.	2.4	4
95	Association of TLR7 copy number variation with susceptibility to childhood-onset systemic lupus erythematosus in Mexican population. Annals of the Rheumatic Diseases, 2010, 69, 1861-1865.	6.5	120
96	STAT4 associates with systemic lupus erythematosus through two independent effects that correlate with gene expression and act additively with IRF5 to increase risk. Annals of the Rheumatic Diseases, 2009, 68, 1746-1753.	6.5	145
97	Evaluation of imputation-based association in and around the integrin- -M (ITGAM) gene and replication of robust association between a non-synonymous functional variant within ITGAM and systemic lupus erythematosus (SLE). Human Molecular Genetics, 2009, 18, 1171-1180.	2.1	105
98	Tumor necrosis factor–α is a common genetic risk factor for asthma, juvenile rheumatoid arthritis, and systemic lupus erythematosus in a Mexican pediatric population. Human Immunology, 2009, 70, 251-256.	0.5	81
99	BCR-ABL, ETV6-RUNX1 and E2A-PBX1: Prevalence of the most common acute lymphoblastic leukemia fusion genes in Mexican patients. Leukemia Research, 2008, 32, 1518-1522.	0.7	36
100	Spectrum of RB1 gene mutations and loss of heterozygosity in Mexican patients with retinoblastoma: Identification of six novel mutations. Cancer Biomarkers, 2008, 4, 93-99.	0.7	19
101	Association of PDCD1 polymorphisms with childhood-onset systemic lupus erythematosus. European Journal of Human Genetics, 2007, 15, 336-341.	2.1	56
102	Genetic association of IRF5 with SLE in Mexicans: higher frequency of the risk haplotype and its homozygozity than Europeans. Human Genetics, 2007, 121, 721-727.	1.8	76
103	Association analysis of the PTPN22 gene in childhood-onset systemic lupus erythematosus in Mexican population. Genes and Immunity, 2006, 7, 693-695.	1.9	37
104	XV-2c/KM-19 haplotype analysis of cystic fibrosis mutations in Mexican patients. American Journal of Medical Genetics Part A, 2001, 102, 277-281.	0.5	3
105	Carrier detection and prenatal molecular diagnosis in a Duchenne muscular dystrophy family without any affected relative available. Annales De Génétique, 2001, 44, 149-153.	0.5	9
106	Molecular diagnosis of the fragile X and FRAXE syndromes in patients with mental retardation of unknown cause in Mexico. Annales De Génétique, 2000, 43, 29-34.	0.5	10
107	Spectrum of CFTR mutations in Mexican cystic fibrosis patients: identification of five novel mutations (W1098C, 846delT, P750L, 4160insGGGG and 297–1G→A). Human Genetics, 2000, 106, 360-365.	1.8	21
108	Three novel mutations in the COL4A5 gene in Mexican Alport syndrome patients. Clinical Genetics, 1999, 56, 242-243.	1.5	4

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109	Two novel frameshift deletions (1924del7, 2055del9→A) in the CFTR gene in Mexican cystic fibrosis patients. Human Mutation, 1997, 10, 239-240.	1.0	4
110	G542X mutation in Mexican cystic fibrosis patients. Clinical Genetics, 1996, 49, 54-56.	1.5	5
111	Mild cystic fibrosis disease in three Mexican delta-F508/G551S compound heterozygous siblings. Clinical Genetics, 1995, 47, 96-98.	1.5	2
112	Identification of the I507 deletion by site-directed mutagenesis. American Journal of Medical Genetics Part A, 1994, 51, 137-139.	0.5	7
113	Detection of the cystic fibrosis delta-F508 mutation at autopsy by site-directed mutagenesis. American Journal of Medical Genetics Part A, 1993, 46, 268-270.	0.5	2
114	Alport-Leiomyomatosis Syndrome: An Update. American Journal of Kidney Diseases, 1993, 22, 641-648.	1.0	35
115	Frequency of delta F508 in a Mexican sample of cystic fibrosis patients.. Journal of Medical Genetics, 1993, 30, 501-502.	2.2	15
116	ABCA1, ADIPOQ, APOE, FSTL4, and KCNQ1 Gene DNA Methylation Correlates with Lipid Profiles in Mexican Populations. Biomedicines, 0, 13, 2273.	2.5	0