

# Jose-Luis Ambite

## List of Publications by Year in descending order

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Version: 2024-02-01

71  
papers

2,892  
citations

257450

24  
h-index

206112

48  
g-index

79  
all docs

79  
docs citations

79  
times ranked

5865  
citing authors

#	ARTICLE	IF	CITATIONS
1	BD2K Training Coordinating Center's ERuDIte: The Educational Resource Discovery Index for Data Science. IEEE Transactions on Emerging Topics in Computing, 2021, 9, 316-328.	4.6	4
2	Toward a fine-scale population health monitoring system. Cell, 2021, 184, 2068-2083.e11.	28.9	78
3	Rapid detection of identity-by-descent tracts for mega-scale datasets. Nature Communications, 2021, 12, 3546.	12.8	20
4	W-TSS: A Wavelet-Based Algorithm for Discovering Time Series Shapelets. Sensors, 2021, 21, 5801.	3.8	0
5	NERO: a biomedical named-entity (recognition) ontology with a large, annotated corpus reveals meaningful associations through text embedding. Npj Systems Biology and Applications, 2021, 7, 38.	3.0	3
6	Using dynamic time warping self-organizing maps to characterize diurnal patterns in environmental exposures. Scientific Reports, 2021, 11, 24052.	3.3	7
7	Minority-centric meta-analyses of blood lipid levels identify novel loci in the Population Architecture using Genomics and Epidemiology (PAGE) study. PLoS Genetics, 2020, 16, e1008684.	3.5	17
8	Building Autocorrelation-Aware Representations for Fine-Scale Spatiotemporal Prediction. , 2020, , .		9
9	Linking Educational Resources on Data Science. Proceedings of the AAAI Conference on Artificial Intelligence, 2019, 33, 9404-9409.	4.9	4
10	Genetic analyses of diverse populations improves discovery for complex traits. Nature, 2019, 570, 514-518.	27.8	679
11	Genetics of Chronic Kidney Disease Stages Across Ancestries: The PAGE Study. Frontiers in Genetics, 2019, 10, 494.	2.3	29
12	Building Explainable Predictive Analytics for Location-Dependent Time-Series Data. , 2019, , .		1
13	A phenome-wide association study (PheWAS) in the Population Architecture using Genomics and Epidemiology (PAGE) study reveals potential pleiotropy in African Americans. PLoS ONE, 2019, 14, e0226771.	2.5	15
14	Applying Multivariate Segmentation Methods to Human Activity Recognition From Wearable Sensorsâ€™ Data. JMIR MHealth and UHealth, 2019, 7, e11201.	3.7	28
15	Exploiting spatiotemporal patterns for accurate air quality forecasting using deep learning. , 2018, , .		72
16	The genetic underpinnings of variation in ages at menarche and natural menopause among women from the multi-ethnic Population Architecture using Genomics and Epidemiology (PAGE) Study: A trans-ethnic meta-analysis. PLoS ONE, 2018, 13, e0200486.	2.5	25
17	Extending Apache Spark with a Mediation Layer. , 2018, , .		2
18	Discovery, fine-mapping, and conditional analyses of genetic variants associated with C-reactive protein in multiethnic populations using the Metabochip in the Population Architecture using Genomics and Epidemiology (PAGE) study. Human Molecular Genetics, 2018, 27, 2940-2953.	2.9	16

#	ARTICLE	IF	CITATIONS
19	Democratizing data science through data science training. , 2018, , .		10
20	A Scalable Data Integration and Analysis Architecture for Sensor Data of Pediatric Asthma. , 2017, 2017, 1407-1408.		9
21	Mining Public Datasets for Modeling Intra-City PM2.5 Concentrations at a Fine Spatial Resolution. , 2017, 2017, .		20
22	BD2K ERuDIte. , 2017, , .		5
23	Abstract Meaning Representations as Linked Data. Lecture Notes in Computer Science, 2016, , 12-20.	1.3	3
24	Fine-mapping of lipid regions in global populations discovers ethnic-specific signals and refines previously identified lipid loci. Human Molecular Genetics, 2016, 25, 5500-5512.	2.9	29
25	Learning the semantics of structured data sources. Web Semantics, 2016, 37-38, 152-169.	2.9	56
26	SchizConnect: Mediating neuroimaging databases on schizophrenia and related disorders for large-scale integration. NeuroImage, 2016, 124, 1155-1167.	4.2	92
27	Northwestern University schizophrenia data sharing for SchizConnect: A longitudinal dataset for large-scale integration. NeuroImage, 2016, 124, 1196-1201.	4.2	26
28	Leveraging Linked Data to Discover Semantic Relations Within Data Sources. Lecture Notes in Computer Science, 2016, , 549-565.	1.3	18
29	Pleiotropic and Sex-Specific Effects of Cancer GWAS SNPs on Melanoma Risk in the Population Architecture Using Genomics and Epidemiology (PAGE) Study. PLoS ONE, 2015, 10, e0120491.	2.5	19
30	SchizConnect: Virtual Data Integration in Neuroimaging. Lecture Notes in Computer Science, 2015, 9162, 37-51.	1.3	21
31	GEM: The GAAIN Entity Mapper. Lecture Notes in Computer Science, 2015, 9162, 13-27.	1.3	5
32	Terminology Development Towards Harmonizing Multiple Clinical Neuroimaging Research Repositories. Lecture Notes in Computer Science, 2015, 9162, 104-117.	1.3	6
33	Pleiotropic effects of genetic risk variants for other cancers on colorectal cancer risk: PAGE, GECCO and CCFR consortia. Gut, 2014, 63, 800-807.	12.1	35
34	Replication of Associations between GWAS SNPs and Melanoma Risk in the Population Architecture Using Genomics and Epidemiology (PAGE) Study. Journal of Investigative Dermatology, 2014, 134, 2049-2052.	0.7	21
35	Corrections to: "Replication of Associations between GWAS SNPs and Melanoma Risk in the Population Architecture Using Genomics and Epidemiology (PAGE) Study" Journal of Investigative Dermatology, 2014, 134, 2852.	0.7	0
36	A Scalable Approach to Learn Semantic Models of Structured Sources. , 2014, , .		16

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37	Multiancestral Analysis of Inflammation-Related Genetic Variants and C-Reactive Protein in the Population Architecture Using Genomics and Epidemiology Study. <i>Circulation: Cardiovascular Genetics</i> , 2014, 7, 178-188.	5.1	31
38	Optimizing the chase. <i>Proceedings of the VLDB Endowment</i> , 2014, 7, 1869-1880.	3.8	7
39	Investigation of gene-by-sex interactions for lipid traits in diverse populations from the population architecture using genomics and epidemiology study. <i>BMC Genetics</i> , 2013, 14, 33.	2.7	24
40	Genetic variants associated with fasting glucose and insulin concentrations in an ethnically diverse population: results from the Population Architecture using Genomics and Epidemiology (PAGE) study. <i>BMC Medical Genetics</i> , 2013, 14, 98.	2.1	24
41	No evidence of interaction between known lipid-associated genetic variants and smoking in the multi-ethnic PAGE population. <i>Human Genetics</i> , 2013, 132, 1427-1431.	3.8	7
42	Association of the FTO Obesity Risk Variant rs8050136 With Percentage of Energy Intake From Fat in Multiple Racial/Ethnic Populations. <i>American Journal of Epidemiology</i> , 2013, 178, 780-790.	3.4	59
43	Scalable containment for unions of conjunctive queries under constraints. , 2013, , .		2
44	Phenome-Wide Association Study (PheWAS) for Detection of Pleiotropy within the Population Architecture using Genomics and Epidemiology (PAGE) Network. <i>PLoS Genetics</i> , 2013, 9, e1003087.	3.5	171
45	Post-Genome-Wide Association Study Challenges for Lipid Traits: Describing Age as a Modifier of Gene-Lipid Associations in the Population Architecture Using Genomics and Epidemiology (PAGE) Study. <i>Annals of Human Genetics</i> , 2013, 77, 416-425.	0.8	5
46	A Graph-Based Approach to Learn Semantic Descriptions of Data Sources. <i>Lecture Notes in Computer Science</i> , 2013, , 607-623.	1.3	13
47	Optimizing query rewriting for multiple queries. , 2012, , .		4
48	Consistent Directions of Effect for Established Type 2 Diabetes Risk Variants Across Populations. <i>Diabetes</i> , 2012, 61, 1642-1647.	0.6	49
49	A $\hat{1}/2$ -support vector regression based approach for predicting imputation quality. <i>BMC Proceedings</i> , 2012, 6, S3.	1.6	1
50	Evaluation of the MetaboChip Genotyping Array in African Americans and Implications for Fine Mapping of GWAS-Identified Loci: The PAGE Study. <i>PLoS ONE</i> , 2012, 7, e35651.	2.5	71
51	Semi-automatically Mapping Structured Sources into the Semantic Web. <i>Lecture Notes in Computer Science</i> , 2012, , 375-390.	1.3	112
52	Discovering Concept Coverings in Ontologies of Linked Data Sources. <i>Lecture Notes in Computer Science</i> , 2012, , 427-443.	1.3	36
53	Rapidly Integrating Services into the Linked Data Cloud. <i>Lecture Notes in Computer Science</i> , 2012, , 559-574.	1.3	31
54	Enabling collaborative research using the Biomedical Informatics Research Network (BIRN). <i>Journal of the American Medical Informatics Association: JAMIA</i> , 2011, 18, 416-422.	4.4	56

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55	Scalable query rewriting. , 2011, , .		23
56	The Next PAGE in Understanding Complex Traits: Design for the Analysis of Population Architecture Using Genetics and Epidemiology (PAGE) Study. American Journal of Epidemiology, 2011, 174, 849-859.	3.4	161
57	Genetic Determinants of Lipid Traits in Diverse Populations from the Population Architecture using Genomics and Epidemiology (PAGE) Study. PLoS Genetics, 2011, 7, e1002138.	3.5	146
58	A Phenomics-Based Strategy Identifies Loci on APOC1, BRAP, and PLCG1 Associated with Metabolic Syndrome Phenotype Domains. PLoS Genetics, 2011, 7, e1002322.	3.5	92
59	Neuroscience Data Integration through Mediation: An (F)BIRN Case Study. Frontiers in Neuroinformatics, 2010, 4, 118.	2.5	28
60	Linking and Building Ontologies of Linked Data. Lecture Notes in Computer Science, 2010, , 598-614.	1.3	58
61	Exploiting Data Semantics to Discover, Extract, and Model Web Sources. , 2008, , .		1
62	Quality-driven geospatial data integration. , 2007, , .		9
63	Automatically Composing Data Workflows with Relational Descriptions and Shim Services. Lecture Notes in Computer Science, 2007, , 15-29.	1.3	25
64	Data processing workflows in the social sciences. , 2006, , .		2
65	Composing, optimizing, and executing plans for bioinformatics web services. VLDB Journal, 2005, 14, 330-353.	4.1	33
66	Data Integration and Access. The Kluwer International Series on Advances in Database Systems, 2002, , 85-106.	1.1	14
67	Compiling Source Descriptions for Efficient and Flexible Information Integration. Journal of Intelligent Information Systems, 2001, 16, 149-187.	3.9	12
68	THE ARIADNE APPROACH TO WEB-BASED INFORMATION INTEGRATION. International Journal of Cooperative Information Systems, 2001, 10, 145-169.	0.8	86
69	Mixed-initiative, multi-source information assistants. , 2001, , .		21
70	Flexible and scalable cost-based query planning in mediators: A transformational approach. Artificial Intelligence, 2000, 118, 115-161.	5.8	27
71	Advancing the international data science workforce through shared training and education. F1000Research, 0, 8, 251.	1.6	0