

# Lara Lusa

## List of Publications by Year in descending order

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Version: 2024-02-01

82  
papers

3,005  
citations

185998

28  
h-index

182168

51  
g-index

84  
all docs

84  
docs citations

84  
times ranked

4941  
citing authors

#	ARTICLE	IF	CITATIONS
1	SMOTE for high-dimensional class-imbalanced data. <i>BMC Bioinformatics</i> , 2013, 14, 106.	1.2	553
2	Firth's logistic regression with rare events: accurate effect estimates and predictions?. <i>Statistics in Medicine</i> , 2017, 36, 2302-2317.	0.8	187
3	Class prediction for high-dimensional class-imbalanced data. <i>BMC Bioinformatics</i> , 2010, 11, 523.	1.2	176
4	Quantitative and qualitative characterization of plasma DNA identifies primary and recurrent colorectal cancer. <i>Cancer Letters</i> , 2008, 263, 170-181.	3.2	120
5	Limits of Predictive Models Using Microarray Data for Breast Cancer Clinical Treatment Outcome. <i>Journal of the National Cancer Institute</i> , 2005, 97, 927-930.	3.0	110
6	Course and Outcome of Early European Lyme Neuroborreliosis (Bannwarth Syndrome): Clinical and Laboratory Findings. <i>Clinical Infectious Diseases</i> , 2016, 63, 346-353.	2.9	103
7	Gene expression pathway analysis to predict response to neoadjuvant docetaxel and capecitabine for breast cancer. <i>Breast Cancer Research and Treatment</i> , 2010, 119, 685-699.	1.1	90
8	Challenges in Projecting Clustering Results Across Gene Expressionâ€œProfiling Datasets. <i>Journal of the National Cancer Institute</i> , 2007, 99, 1715-1723.	3.0	88
9	Subcellular Localization of Activated Leukocyte Cell Adhesion Molecule Is a Molecular Predictor of Survival in Ovarian Carcinoma Patients. <i>Clinical Cancer Research</i> , 2008, 14, 1726-1733.	3.2	83
10	Treatment of Erythema Migrans With Doxycycline for 10 Days Versus 15 Days. <i>Clinical Infectious Diseases</i> , 2012, 55, 343-350.	2.9	76
11	Joint use of over- and under-sampling techniques and cross-validation for the development and assessment of prediction models. <i>BMC Bioinformatics</i> , 2015, 16, 363.	1.2	69
12	Improved Metabolic Control in Pediatric Patients with Type 1 Diabetes: A Nationwide Prospective 12-Year Time Trends Analysis. <i>Diabetes Technology and Therapeutics</i> , 2014, 16, 33-40.	2.4	67
13	miR-342 Regulates BRCA1 Expression through Modulation of ID4 in Breast Cancer. <i>PLoS ONE</i> , 2014, 9, e87039.	1.1	59
14	Coronavirus infections in hospitalized pediatric patients with acute respiratory tract disease. <i>BMC Infectious Diseases</i> , 2012, 12, 365.	1.3	51
15	Resting heart rate variability and heart rate recovery after submaximal exercise. <i>Clinical Autonomic Research</i> , 2014, 24, 53-61.	1.4	50
16	Gradient boosting for high-dimensional prediction of rare events. <i>Computational Statistics and Data Analysis</i> , 2017, 113, 19-37.	0.7	50
17	Tickâ€œborne encephalitis in patients vaccinated against this disease. <i>Journal of Internal Medicine</i> , 2017, 282, 142-155.	2.7	49
18	Detection of human coronaviruses in simultaneously collected stool samples and nasopharyngeal swabs from hospitalized children with acute gastroenteritis. <i>Virology Journal</i> , 2013, 10, 46.	1.4	44

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19	Suspected Early Lyme Neuroborreliosis in Patients With Erythema Migrans. <i>Clinical Infectious Diseases</i> , 2013, 57, 501-509.	2.9	44
20	Quantitative Detection of <i>Borrelia burgdorferi sensu lato</i> in Erythema Migrans Skin Lesions Using Internally Controlled Duplex Real Time PCR. <i>PLoS ONE</i> , 2013, 8, e63968.	1.1	42
21	Evaluation of SMOTE for High-Dimensional Class-Imbalanced Microarray Data. , 2012, , .		41
22	The long-term outcome of tick-borne encephalitis in Central Europe. <i>Ticks and Tick-borne Diseases</i> , 2018, 9, 369-378.	1.1	38
23	The Role of Human Coronaviruses in Children Hospitalized for Acute Bronchiolitis, Acute Gastroenteritis, and Febrile Seizures: A 2-Year Prospective Study. <i>PLoS ONE</i> , 2016, 11, e0155555.	1.1	38
24	Detection of post-exercise stunning by early gated SPECT myocardial perfusion imaging: Results from the IAEA multi-center study. <i>Journal of Nuclear Cardiology</i> , 2014, 21, 1168-1176.	1.4	34
25	Improved shrunken centroid classifiers for high-dimensional class-imbalanced data. <i>BMC Bioinformatics</i> , 2013, 14, 64.	1.2	33
26	Academic output of 9 years of EU investment into health research. <i>Lancet, The</i> , 2012, 380, 971-972.	6.3	31
27	Factors associated with severity of tick-borne encephalitis: A prospective observational study. <i>Travel Medicine and Infectious Disease</i> , 2018, 26, 25-31.	1.5	31
28	Identification of historical polymers using Near-Infrared Spectroscopy. <i>Polymer Degradation and Stability</i> , 2014, 107, 341-347.	2.7	29
29	Correlation of Culture Positivity, PCR Positivity, and Burden of <i>Borrelia burgdorferi Sensu Lato</i> in Skin Samples of Erythema Migrans Patients with Clinical Findings. <i>PLoS ONE</i> , 2015, 10, e0136600.	1.1	29
30	Virus RNA Load in Patients with Tick-Borne Encephalitis, Slovenia. <i>Emerging Infectious Diseases</i> , 2018, 24, 1315-1323.	2.0	28
31	Restricted cubic splines for modelling periodic data. <i>PLoS ONE</i> , 2020, 15, e0241364.	1.1	28
32	Idiopathic Venous Thrombosis is Associated with Preclinical Atherosclerosis. <i>Journal of Atherosclerosis and Thrombosis</i> , 2010, 17, 304-311.	0.9	25
33	Comparison of Post-Lyme Borreliosis Symptoms in Erythema Migrans Patients with Positive and Negative <i>Borrelia burgdorferi Sensu Lato</i> Skin Culture. <i>Vector-Borne and Zoonotic Diseases</i> , 2011, 11, 883-889.	0.6	24
34	Borrelial Lymphocytoma in Adult Patients. <i>Clinical Infectious Diseases</i> , 2016, 63, 914-921.	2.9	22
35	Estimation of predictive accuracy in survival analysis using R and S-PLUS. <i>Computer Methods and Programs in Biomedicine</i> , 2007, 87, 132-137.	2.6	21
36	Exercise Stress Tests for Detecting Myocardial Ischemia in Asymptomatic Patients With Diabetes Mellitus. <i>American Journal of Cardiology</i> , 2013, 112, 14-20.	0.7	20

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37	Clinical Characteristics Associated with <i>Borrelia burgdorferi</i> Sensu Lato Skin Culture Results in Patients with Erythema Migrans. <i>PLoS ONE</i> , 2013, 8, e82132.	1.1	20
38	Boosting for high-dimensional two-class prediction. <i>BMC Bioinformatics</i> , 2015, 16, 300.	1.2	20
39	Respiratory and Enteric Virus Detection in Children. <i>Journal of Child Neurology</i> , 2017, 32, 84-93.	0.7	19
40	Relationship Between Polymorphisms in Methotrexate Pathway Genes and Outcome of Methotrexate Treatment in a Cohort of 119 Patients with Juvenile Idiopathic Arthritis. <i>Journal of Rheumatology</i> , 2017, 44, 1216-1223.	1.0	18
41	Intrathecal produced IgG and IgM antibodies to recombinant VlsE, VlsE peptide, recombinant OspC and whole cell extracts in the diagnosis of Lyme neuroborreliosis. <i>Medical Microbiology and Immunology</i> , 2014, 203, 125-132.	2.6	17
42	Viral respiratory infections in a nursing home: a six-month prospective study. <i>BMC Infectious Diseases</i> , 2016, 16, 637.	1.3	17
43	Ten simple rules for initial data analysis. <i>PLoS Computational Biology</i> , 2022, 18, e1009819.	1.5	17
44	Patterns and changes in gene expression following neo-adjuvant anti-estrogen treatment in estrogen receptor-positive breast cancer. <i>Endocrine-Related Cancer</i> , 2008, 15, 439-449.	1.6	16
45	Appropriateness of some resampling-based inference procedures for assessing performance of prognostic classifiers derived from microarray data. <i>Statistics in Medicine</i> , 2007, 26, 1102-1113.	0.8	15
46	Inflammatory Immune Responses in Patients with Tick-Borne Encephalitis: Dynamics and Association with the Outcome of the Disease. <i>Microorganisms</i> , 2019, 7, 514.	1.6	15
47	Inflammatory Immune Responses in the Pathogenesis of Tick-Borne Encephalitis. <i>Journal of Clinical Medicine</i> , 2019, 8, 731.	1.0	15
48	Decreased prevalence of hypercholesterolaemia and stabilisation of obesity trends in 5-year-old children: possible effects of changed public health policies. <i>European Journal of Endocrinology</i> , 2014, 170, 293-300.	1.9	14
49	Oseltamivir prophylaxis in controlling influenza outbreak in nursing homes: a comparison between three different approaches. <i>Infection</i> , 2015, 43, 73-81.	2.3	13
50	Bacterial infection in elderly nursing home and community-based patients: a prospective cohort study. <i>Infection</i> , 2013, 41, 909-916.	2.3	12
51	Clinical pharmacogenetic predictive models for MTX discontinuation due to adverse events in rheumatoid arthritis. <i>Pharmacogenomics Journal</i> , 2017, 17, 412-418.	0.9	12
52	Comparison of Clinical, Laboratory and Immune Characteristics of the Monophasic and Biphasic Course of Tick-Borne Encephalitis. <i>Microorganisms</i> , 2021, 9, 796.	1.6	12
53	Course and Outcome of Early Lyme Borreliosis in Patients With Hematological Malignancies: Table 1.. <i>Clinical Infectious Diseases</i> , 2015, 61, 427-431.	2.9	11
54	Stabilization of Overweight and Obesity in Slovenian Adolescents and Increased Risk in Those Entering Non-Grammar Secondary Schools. <i>Obesity Facts</i> , 2016, 9, 241-250.	1.6	11

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55	Acrodermatitis chronica atrophicans: clinical and microbiological characteristics of a cohort of 693 Slovenian patients. <i>Journal of Internal Medicine</i> , 2021, 290, 335-348.	2.7	11
56	Re: Limits of Predictive Models Using Microarray Data for Breast Cancer Clinical Treatment Outcome. <i>Journal of the National Cancer Institute</i> , 2005, 97, 1851-1852.	3.0	10
57	Detection of herpes simplex and varicella-zoster virus from skin lesions: comparison of RT-PCR and isothermal amplification for rapid identification. <i>Diagnostic Microbiology and Infectious Disease</i> , 2020, 97, 115015.	0.8	10
58	Revising a Prognostic Index Developed for Classification Purposes: An Application to Gastric Cancer Data. <i>Journal of Applied Statistics</i> , 2004, 31, 817-830.	0.6	9
59	Serum protein profiles, circulating immune complexes and proteinuria in dogs naturally infected with <i>Anaplasma phagocytophilum</i> . <i>Veterinary Microbiology</i> , 2014, 173, 160-165.	0.8	9
60	The Class-Imbalance Problem for High-Dimensional Class Prediction. , 2012, , .		8
61	Comparison of clinical and laboratory characteristics of patients fulfilling criteria for proven and probable human granulocytic anaplasmosis. <i>Microbes and Infection</i> , 2015, 17, 829-833.	1.0	8
62	Increased perioperative C-reactive protein and decreased postoperative albumin is associated with acute posttraumatic osteomyelitis in patients with high-energy tibial fractures. <i>Injury</i> , 2019, 50, 827-833.	0.7	7
63	Are Patients with Erythema Migrans Who Have Leukopenia and/or Thrombocytopenia Coinfected with <i>Anaplasma phagocytophilum</i> or Tick-Borne Encephalitis Virus?. <i>PLoS ONE</i> , 2014, 9, e103188.	1.1	7
64	A class comparison method with filtering-enhanced variable selection for high-dimensional data sets. <i>Statistics in Medicine</i> , 2008, 27, 5834-5849.	0.8	6
65	medplot: A Web Application for Dynamic Summary and Analysis of Longitudinal Medical Data Based on R. <i>PLoS ONE</i> , 2015, 10, e0121760.	1.1	6
66	Should we consider faecal colonisation with extended-spectrum $\beta$ -lactamase-producing Enterobacteriaceae in empirical therapy of community-onset sepsis?. <i>International Journal of Antimicrobial Agents</i> , 2017, 50, 564-571.	1.1	6
67	Course and Outcome of Erythema Migrans in Pregnant Women. <i>Journal of Clinical Medicine</i> , 2020, 9, 2364.	1.0	6
68	Hidden analyses: a review of reporting practice and recommendations for more transparent reporting of initial data analyses. <i>BMC Medical Research Methodology</i> , 2020, 20, 61.	1.4	6
69	A Modified Prognostic Score for Patients with Curatively Resected Gastric Cancer. <i>Tumori</i> , 2005, 91, 221-226.	0.6	5
70	Low Virus-Specific IgG Antibodies in Adverse Clinical Course and Outcome of Tick-Borne Encephalitis. <i>Microorganisms</i> , 2021, 9, 332.	1.6	5
71	Organizing and Analyzing Data from the SHARE Study with an Application to Age and Sex Differences in Depressive Symptoms. <i>International Journal of Environmental Research and Public Health</i> , 2021, 18, 9684.	1.2	5
72	Unique Clinical, Immune, and Genetic Signature in Patients with Borrelial Meningoradiculoneuritis1. <i>Emerging Infectious Diseases</i> , 2022, 28, .	2.0	5

#	ARTICLE	IF	CITATIONS
73	Respiratory viruses in patients and employees in an intensive care unit. <i>Infection</i> , 2012, 40, 381-388.	2.3	4
74	Providing patients visiting emergency departments with useful information using public real time data: A case study based on Italian data. <i>Journal of Evaluation in Clinical Practice</i> , 2019, 25, 404-411.	0.9	3
75	Upregulated Intrathecal Expression of VEGF-A and Long Lasting Global Upregulation of Proinflammatory Immune Mediators in Vaccine Breakthrough Tick-Borne Encephalitis. <i>Frontiers in Cellular and Infection Microbiology</i> , 2021, 11, 696337.	1.8	3
76	RESPONSE: Re: Limits of Predictive Models Using Microarray Data for Breast Cancer Clinical Treatment Outcome. <i>Journal of the National Cancer Institute</i> , 2005, 97, 1852-1853.	3.0	2
77	Re: Molecular Basis for Estrogen Receptor $\alpha$ Deficiency in BRCA1-Linked Breast Cancer. <i>Journal of the National Cancer Institute</i> , 2008, 100, 752-753.	3.0	2
78	Impact of pre-existing treatment with statins on the course and outcome of tick-borne encephalitis. <i>PLoS ONE</i> , 2018, 13, e0204773.	1.1	2
79	Classification of weekly provincial overall age- and gender-specific mortality patterns during the COVID-19 epidemics in Italy. <i>Epidemiologia E Prevenzione</i> , 2020, 44, 271-281.	1.1	2
80	Artificially generated near-infrared spectral data for classification purposes. <i>Chemometrics and Intelligent Laboratory Systems</i> , 2018, 172, 100-108.	1.8	1
81	Evaluating effectiveness of preoperative testing procedure: some notes on modelling strategies in multi-centre surveys. <i>Journal of Evaluation in Clinical Practice</i> , 2008, 14, 11-18.	0.9	0
82	Identifying the Italian provinces with increased mortality during COVID-19 epidemics using the data made available by the Italian National Institute of Statistics. A methodological challenge. <i>Epidemiologia E Prevenzione</i> , 2020, 44, 260-270.	1.1	0