Lara Lusa

List of Publications by Year
in descending order

82 papers	3,005 citations	186265 28 h-index	175258 52 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. BMC Bioinformatics, 2013, 14, 106.	2.6	553
2	Firth's logistic regression with rare events: accurate effect estimates and predictions?. Statistics in Medicine, 2017, 36, 2302-2317.	1.6	187
3	Class prediction for high-dimensional class-imbalanced data. BMC Bioinformatics, 2010, 11, 523.	2.6	176
4	Quantitative and qualitative characterization of plasma DNA identifies primary and recurrent colorectal cancer. Cancer Letters, 2008, 263, 170-181.	7.2	120
5	Limits of Predictive Models Using Microarray Data for Breast Cancer Clinical Treatment Outcome. Journal of the National Cancer Institute, 2005, 97, 927-930.	6.3	110
6	Course and Outcome of Early European Lyme Neuroborreliosis (Bannwarth Syndrome): Clinical and Laboratory Findings. Clinical Infectious Diseases, 2016, 63, 346-353.	5.8	103
7	Gene expression pathway analysis to predict response to neoadjuvant docetaxel and capecitabine for breast cancer. Breast Cancer Research and Treatment, 2010, 119, 685-699.	2.5	90
8	Challenges in Projecting Clustering Results Across Gene Expression–Profiling Datasets. Journal of the National Cancer Institute, 2007, 99, 1715-1723.	6.3	88
9	Subcellular Localization of Activated Leukocyte Cell Adhesion Molecule Is a Molecular Predictor of Survival in Ovarian Carcinoma Patients. Clinical Cancer Research, 2008, 14, 1726-1733.	7.0	83
10	Treatment of Erythema Migrans With Doxycycline for 10 Days Versus 15 Days. Clinical Infectious Diseases, 2012, 55, 343-350.	5.8	76
11	Joint use of over- and under-sampling techniques and cross-validation for the development and assessment of prediction models. BMC Bioinformatics, 2015, 16, 363.	2.6	69
12	Improved Metabolic Control in Pediatric Patients with Type 1 Diabetes: A Nationwide Prospective 12-Year Time Trends Analysis. Diabetes Technology and Therapeutics, 2014, 16, 33-40.	4.4	67
13	miR-342 Regulates BRCA1 Expression through Modulation of ID4 in Breast Cancer. PLoS ONE, 2014, 9, e87039.	2.5	59
14	Coronavirus infections in hospitalized pediatric patients with acute respiratory tract disease. BMC Infectious Diseases, 2012, 12, 365.	2.9	51
15	Resting heart rate variability and heart rate recovery after submaximal exercise. Clinical Autonomic Research, 2014, 24, 53-61.	2.5	50
16	Gradient boosting for high-dimensional prediction of rare events. Computational Statistics and Data Analysis, 2017, 113, 19-37.	1.2	50
17	Tick‐borne encephalitis in patients vaccinated against this disease. Journal of Internal Medicine, 2017, 282, 142-155.	6.0	49
18	Detection of human coronaviruses in simultaneously collected stool samples and nasopharyngeal swabs from hospitalized children with acute gastroenteritis. Virology Journal, 2013, 10, 46.	3.4	44

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19	Suspected Early Lyme Neuroborreliosis in Patients With Erythema Migrans. Clinical Infectious Diseases, 2013, 57, 501-509.	5.8	44
20	Quantitative Detection of Borrelia burgdorferi sensu lato in Erythema Migrans Skin Lesions Using Internally Controlled Duplex Real Time PCR. PLoS ONE, 2013, 8, e63968.	2.5	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. Ticks and Tick-borne Diseases, 2018, 9, 369-378.	2.7	38
23	The Role of Human Coronaviruses in Children Hospitalized for Acute Bronchiolitis, Acute Gastroenteritis, and Febrile Seizures: A 2-Year Prospective Study. PLoS ONE, 2016, 11, e0155555.	2.5	38
24	Detection of post-exercise stunning by early gated SPECT myocardial perfusion imaging: Results from the IAEA multi-center study. Journal of Nuclear Cardiology, 2014, 21, 1168-1176.	2.1	34
25	Improved shrunken centroid classifiers for high-dimensional class-imbalanced data. BMC Bioinformatics, 2013, 14, 64.	2.6	33
26	Academic output of 9 years of EU investment into health research. Lancet, The, 2012, 380, 971-972.	13.7	31
27	Factors associated with severity of tick-borne encephalitis: A prospective observational study. Travel Medicine and Infectious Disease, 2018, 26, 25-31.	3.0	31
28	Identification of historical polymers using Near-Infrared Spectroscopy. Polymer Degradation and Stability, 2014, 107, 341-347.	5.8	29
29	Correlation of Culture Positivity, PCR Positivity, and Burden of Borrelia burgdorferi Sensu Lato in Skin Samples of Erythema Migrans Patients with Clinical Findings. PLoS ONE, 2015, 10, e0136600.	2.5	29
30	Virus RNA Load in Patients with Tick-Borne Encephalitis, Slovenia. Emerging Infectious Diseases, 2018, 24, 1315-1323.	4.3	28
31	Restricted cubic splines for modelling periodic data. PLoS ONE, 2020, 15, e0241364.	2.5	28
32	Idiopathic Venous Thrombosis is Associated with Preclinical Atherosclerosis. Journal of Atherosclerosis and Thrombosis, 2010, 17, 304-311.	2.0	25
33	Comparison of Post-Lyme Borreliosis Symptoms in Erythema Migrans Patients with Positive and Negative <i>Borrelia burgdorferi Sensu Lato</i> Skin Culture. Vector-Borne and Zoonotic Diseases, 2011, 11, 883-889.	1.5	24
34	Borrelial Lymphocytoma in Adult Patients. Clinical Infectious Diseases, 2016, 63, 914-921.	5.8	22
35	Estimation of predictive accuracy in survival analysis using R and S-PLUS. Computer Methods and Programs in Biomedicine, 2007, 87, 132-137.	4.7	21
36	Exercise Stress Tests for Detecting Myocardial Ischemia in Asymptomatic Patients With Diabetes Mellitus. American Journal of Cardiology, 2013, 112, 14-20.	1.6	20

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37	Clinical Characteristics Associated with Borrelia burgdorferi Sensu Lato Skin Culture Results in Patients with Erythema Migrans. PLoS ONE, 2013, 8, e82132.	2.5	20
38	Boosting for high-dimensional two-class prediction. BMC Bioinformatics, 2015, 16, 300.	2.6	20
39	Respiratory and Enteric Virus Detection in Children. Journal of Child Neurology, 2017, 32, 84-93.	1.4	19
40	Relationship Between Polymorphisms in Methotrexate Pathway Genes and Outcome of Methotrexate Treatment in a Cohort of 119 Patients with Juvenile Idiopathic Arthritis. Journal of Rheumatology, 2017, 44, 1216-1223.	2.0	18
41	Intrathecally produced IgG and IgM antibodies to recombinant VlsE, VlsE peptide, recombinant OspC and whole cell extracts in the diagnosis of Lyme neuroborreliosis. Medical Microbiology and Immunology, 2014, 203, 125-132.	4.8	17
42	Viral respiratory infections in a nursing home: a six-month prospective study. BMC Infectious Diseases, 2016, 16, 637.	2.9	17
43	Ten simple rules for initial data analysis. PLoS Computational Biology, 2022, 18, e1009819.	3.2	17
44	Patterns and changes in gene expression following neo-adjuvant anti-estrogen treatment in estrogen receptor-positive breast cancer. Endocrine-Related Cancer, 2008, 15, 439-449.	3.1	16
45	Appropriateness of some resampling-based inference procedures for assessing performance of prognostic classifiers derived from microarray data. Statistics in Medicine, 2007, 26, 1102-1113.	1.6	15
46	Inflammatory Immune Responses in Patients with Tick-Borne Encephalitis: Dynamics and Association with the Outcome of the Disease. Microorganisms, 2019, 7, 514.	3.6	15
47	Inflammatory Immune Responses in the Pathogenesis of Tick-Borne Encephalitis. Journal of Clinical Medicine, 2019, 8, 731.	2.4	15
48	Decreased prevalence of hypercholesterolaemia and stabilisation of obesity trends in 5-year-old children: possible effects of changed public health policies. European Journal of Endocrinology, 2014, 170, 293-300.	3.7	14
49	Oseltamivir prophylaxis in controlling influenza outbreak in nursing homes: a comparison between three different approaches. Infection, 2015, 43, 73-81.	4.7	13
50	Bacterial infection in elderly nursing home and community-based patients: a prospective cohort study. Infection, 2013, 41, 909-916.	4.7	12
51	Clinicalâ€"pharmacogenetic predictive models for MTX discontinuation due to adverse events in rheumatoid arthritis. Pharmacogenomics Journal, 2017, 17, 412-418.	2.0	12
52	Comparison of Clinical, Laboratory and Immune Characteristics of the Monophasic and Biphasic Course of Tick-Borne Encephalitis. Microorganisms, 2021, 9, 796.	3.6	12
53	Course and Outcome of Early Lyme Borreliosis in Patients With Hematological Malignancies: Table 1.. Clinical Infectious Diseases, 2015, 61, 427-431.	5.8	11
54	Stabilization of Overweight and Obesity in Slovenian Adolescents and Increased Risk in Those Entering Non-Grammar Secondary Schools. Obesity Facts, 2016, 9, 241-250.	3.4	11

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55	Acrodermatitis chronica atrophicans: clinical and microbiological characteristics of a cohort of 693 Slovenian patients. Journal of Internal Medicine, 2021, 290, 335-348.	6.0	11
56	Re: Limits of Predictive Models Using Microarray Data for Breast Cancer Clinical Treatment Outcome. Journal of the National Cancer Institute, 2005, 97, 1851-1852.	6.3	10
57	Detection of herpes simplex and varicella-zoster virus from skin lesions: comparison of RT-PCR and isothermal amplification for rapid identification. Diagnostic Microbiology and Infectious Disease, 2020, 97, 115015.	1.8	10
58	Revising a Prognostic Index Developed for Classification Purposes: An Application to Gastric Cancer Data. Journal of Applied Statistics, 2004, 31, 817-830.	1.3	9
59	Serum protein profiles, circulating immune complexes and proteinuria in dogs naturally infected with Anaplasma phagocytophilum. Veterinary Microbiology, 2014, 173, 160-165.	1.9	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. Microbes and Infection, 2015, 17, 829-833.	1.9	8
62	Increased perioperative C-reactive protein and decreased postoperative albumin is associated with acute posttraumatic osteomyelitis in patients with high-energy tibial fractures. Injury, 2019, 50, 827-833.	1.7	7
63	Are Patients with Erythema Migrans Who Have Leukopenia and/or Thrombocytopenia Coinfected with Anaplasma phagocytophilum or Tick-Borne Encephalitis Virus?. PLoS ONE, 2014, 9, e103188.	2.5	7
64	A class comparison method with filtering-enhanced variable selection for high-dimensional data sets. Statistics in Medicine, 2008, 27, 5834-5849.	1.6	6
65	medplot: A Web Application for Dynamic Summary and Analysis of Longitudinal Medical Data Based on R. PLoS ONE, 2015, 10, e0121760.	2.5	6
66	Should we consider faecal colonisation with extended-spectrum β-lactamase-producing Enterobacteriaceae in empirical therapy of community-onset sepsis?. International Journal of Antimicrobial Agents, 2017, 50, 564-571.	2.5	6
67	Course and Outcome of Erythema Migrans in Pregnant Women. Journal of Clinical Medicine, 2020, 9, 2364.	2.4	6
68	Hidden analyses: a review of reporting practice and recommendations for more transparent reporting of initial data analyses. BMC Medical Research Methodology, 2020, 20, 61.	3.1	6
69	A Modified Prognostic Score for Patients with Curatively Resected Gastric Cancer. Tumori, 2005, 91, 221-226.	1.1	5
70	Low Virus-Specific IgG Antibodies in Adverse Clinical Course and Outcome of Tick-Borne Encephalitis. Microorganisms, 2021, 9, 332.	3.6	5
71	Organizing and Analyzing Data from the SHARE Study with an Application to Age and Sex Differences in Depressive Symptoms. International Journal of Environmental Research and Public Health, 2021, 18, 9684.	2.6	5
72	Unique Clinical, Immune, and Genetic Signature in Patients with Borrelial Meningoradiculoneuritis1. Emerging Infectious Diseases, 2022, 28, .	4.3	5

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73	Respiratory viruses in patients and employees in an intensive care unit. Infection, 2012, 40, 381-388.	4.7	4
74	Providing patients visiting emergency departments with useful information using public real time data: A case study based on Italian data. Journal of Evaluation in Clinical Practice, 2019, 25, 404-411.	1.8	3
75	Upregulated Intrathecal Expression of VEGF-A and Long Lasting Global Upregulation of Proinflammatory Immune Mediators in Vaccine Breakthrough Tick-Borne Encephalitis. Frontiers in Cellular and Infection Microbiology, 2021, 11, 696337.	3.9	3
76	RESPONSE: Re: Limits of Predictive Models Using Microarray Data for Breast Cancer Clinical Treatment Outcome. Journal of the National Cancer Institute, 2005, 97, 1852-1853.	6.3	2
77	Re: Molecular Basis for Estrogen Receptor Â Deficiency in BRCA1-Linked Breast Cancer. Journal of the National Cancer Institute, 2008, 100, 752-753.	6.3	2
78	Impact of pre-existing treatment with statins on the course and outcome of tick-borne encephalitis. PLoS ONE, 2018, 13, e0204773.	2.5	2
79	Classification of weekly provincial overall age- and gender-specific mortality patterns during the COVID-19 epidemics in Italy. Epidemiologia E Prevenzione, 2020, 44, 271-281.	1.1	2
80	Artificially generated near-infrared spectral data for classification purposes. Chemometrics and Intelligent Laboratory Systems, 2018, 172, 100-108.	3.5	1
81	Evaluating effectiveness of preoperative testing procedure: some notes on modelling strategies in multiâ€centre surveys. Journal of Evaluation in Clinical Practice, 2008, 14, 11-18.	1.8	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. Epidemiologia E Prevenzione, 2020, 44, 260-270.	1.1	0