

Christos Nakas

List of Publications by Year in descending order

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Version: 2024-02-01

100
papers

2,533
citations

257450

24
h-index

223800

46
g-index

104
all docs

104
docs citations

104
times ranked

3466
citing authors

#	ARTICLE	IF	CITATIONS
1	The MoCA. <i>Neurology</i> , 2010, 75, 1717-1725.	1.1	729
2	Ordered multiple-class ROC analysis with continuous measurements. <i>Statistics in Medicine</i> , 2004, 23, 3437-3449.	1.6	202
3	Construction of confidence regions in the ROC space after the estimation of the optimal Youden index-based cut-off point. <i>Biometrics</i> , 2014, 70, 212-223.	1.4	110
4	Accuracy and cut-off point selection in three-class classification problems using a generalization of the Youden index. <i>Statistics in Medicine</i> , 2010, 29, 2946-2955.	1.6	83
5	Diapause termination of <i>Rhagoletis cerasi</i> pupae is regulated by local adaptation and phenotypic plasticity: escape in time through bet-hedging strategies. <i>Journal of Evolutionary Biology</i> , 2014, 27, 43-54.	1.7	61
6	Resveratrol ameliorates hypoxia/ischemia-induced behavioral deficits and brain injury in the neonatal rat brain. <i>Brain Research</i> , 2011, 1425, 98-110.	2.2	60
7	Prolonged pupal dormancy is associated with significant fitness cost for adults of <i>Rhagoletis cerasi</i> (Diptera: Tephritidae). <i>Journal of Insect Physiology</i> , 2012, 58, 1128-1135.	2.0	50
8	Physiological and biological patterns of a highland and a coastal population of the European cherry fruit fly during diapause. <i>Journal of Insect Physiology</i> , 2011, 57, 83-93.	2.0	47
9	The influence of extrauterine life on the aEEG maturation in normal preterm infants. <i>Early Human Development</i> , 2009, 85, 761-765.	1.8	45
10	Population-specific demography and invasion potential in medfly. <i>Ecology and Evolution</i> , 2011, 1, 479-488.	1.9	43
11	Life history evolution in a globally invading tephritid: patterns of survival and reproduction in medflies from six world regions. <i>Biological Journal of the Linnean Society</i> , 0, 97, 106-117.	1.6	40
12	Lipoprotein(a) is associated with large artery atherosclerosis stroke aetiology and stroke recurrence among patients below the age of 60 years: results from the BIOSIGNAL study. <i>European Heart Journal</i> , 2021, 42, 2186-2196.	2.2	40
13	ROC Graphs for Assessing the Ability of a Diagnostic Marker to Detect Three Disease Classes with an Umbrella Ordering. <i>Biometrics</i> , 2007, 63, 603-609.	1.4	39
14	Early abnormal amplitude-integrated electroencephalography (aEEG) is associated with adverse short-term outcome in premature infants. <i>European Journal of Paediatric Neurology</i> , 2012, 16, 625-630.	1.6	39
15	Pancreatic carcinoma, pancreatitis, and healthy controls: metabolite models in a three-class diagnostic dilemma. <i>Metabolomics</i> , 2013, 9, 677-687.	3.0	39
16	Ancestral populations perform better in a novel environment: domestication of Mediterranean fruit fly populations from five global regions. <i>Biological Journal of the Linnean Society</i> , 2011, 102, 334-345.	1.6	34
17	Competition among Species of Stored-Product Psocids (Psocoptera) in Stored Grain. <i>PLoS ONE</i> , 2014, 9, e102867.	2.5	32
18	Does centrifugation matter? Centrifugal force and spinning time alter the plasma metabolome. <i>Metabolomics</i> , 2016, 12, 159.	3.0	31

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19	Quality Control of Serum and Plasma by Quantification of (4E,14Z)-Sphingadienine-C18-1-Phosphate Uncovers Common Preanalytical Errors During Handling of Whole Blood. <i>Clinical Chemistry</i> , 2018, 64, 810-819.	3.2	30
20	Condition-Dependent Effects of Mating on Longevity and Fecundity of Female Medflies: The Interplay between Nutrition and Age of Mating. <i>PLoS ONE</i> , 2013, 8, e70181.	2.5	30
21	Carbohydrate Estimation Supported by the GoCARB System in Individuals With Type 1 Diabetes: A Randomized Prospective Pilot Study. <i>Diabetes Care</i> , 2017, 40, e6-e7.	8.6	29
22	Bayley-III scales at 12 months of corrected age in preterm infants: Patterns of developmental performance and correlations to environmental and biological influences. <i>Research in Developmental Disabilities</i> , 2015, 45-46, 110-119.	2.2	28
23	Dual reproductive cost of aging in male medflies: Dramatic decrease in mating competitiveness and gradual reduction in mating performance. <i>Journal of Insect Physiology</i> , 2011, 57, 1368-1374.	2.0	27
24	Hypoxia-induced changes in plasma micro-RNAs correlate with pulmonary artery pressure at high altitude. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2018, 314, L157-L164.	2.9	26
25	Computed tomography-based radiomics decodes prognostic and molecular differences in interstitial lung disease related to systemic sclerosis. <i>European Respiratory Journal</i> , 2022, 59, 2004503.	6.7	26
26	Performance of a factory-calibrated, real-time continuous glucose monitoring system during elective abdominal surgery. <i>Diabetes, Obesity and Metabolism</i> , 2020, 22, 1678-1682.	4.4	25
27	Generalization of Youden index for multiple-class classification problems applied to the assessment of externally validated cognition in Parkinson disease screening. <i>Statistics in Medicine</i> , 2013, 32, 995-1003.	1.6	24
28	Construction of confidence intervals for the maximum of the Youden index and the corresponding cutoff point of a continuous biomarker. <i>Biometrical Journal</i> , 2019, 61, 138-156.	1.0	24
29	The association between nurse staffing and inpatient mortality: a shift-level retrospective longitudinal study. <i>International Journal of Nursing Studies</i> , 2021, 120, 103950.	5.6	23
30	Obstructive sleep apnoea syndrome promotes reversal albuminuria during sleep. <i>Sleep and Breathing</i> , 2011, 15, 589-597.	1.7	22
31	Adrenal, thyroid and gonadal axes are affected at high altitude. <i>Endocrine Connections</i> , 2018, 7, 1081-1089.	1.9	22
32	The M-CA: Well-suited screen for cognitive impairment in Parkinson disease. <i>Neurology</i> , 2011, 76, 1944-1945.	1.1	21
33	Assessing multiple-group diagnostic problems with multi-dimensional receiver operating characteristic surfaces: Application to proton MR Spectroscopy (MRS) in HIV-related neurological injury. <i>NeuroImage</i> , 2008, 40, 248-255.	4.2	20
34	Insecticidal effect of the combined application of spinosad, <i>Beauveria bassiana</i> and diatomaceous earth for the control of <i>Tribolium confusum</i> . <i>Biocontrol Science and Technology</i> , 2016, 26, 809-819.	1.3	20
35	High sensitive cardiac troponin T: Testing the test. <i>International Journal of Cardiology</i> , 2017, 228, 779-783.	1.7	18
36	Nonparametric Bayesian estimation of the three-way receiver operating characteristic surface. <i>Biometrical Journal</i> , 2011, 53, 1011-1024.	1.0	17

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37	Construction of joint confidence regions for the optimal true class fractions of Receiver Operating Characteristic (ROC) surfaces and manifolds. <i>Statistical Methods in Medical Research</i> , 2017, 26, 1429-1442.	1.5	17
38	A Power-Law Function for Earthquake Interarrival Time and Magnitude. <i>Bulletin of the Seismological Society of America</i> , 2002, 92, 1783-1794.	2.3	17
39	A comparison of tests for restricted orderings in the three-class case. <i>Statistics in Medicine</i> , 2009, 28, 1144-1158.	1.6	16
40	The odor of a plant metabolite affects life history traits in dietary restricted adult olive flies. <i>Scientific Reports</i> , 2016, 6, 28540.	3.3	16
41	Haplotype structure defines effects of common <i>DPYD</i> variants c.85T > C (rs1801265) and c.496A > G (rs2297595) on dihydropyrimidine dehydrogenase activity: Implication for 5-fluorouracil toxicity. <i>British Journal of Clinical Pharmacology</i> , 2021, 87, 3234-3243.	2.4	16
42	Significant Increase in Antibody Titers after the 3rd Booster Dose of the Pfizer-BioNTech mRNA COVID-19 Vaccine in Healthcare Workers in Greece. <i>Vaccines</i> , 2022, 10, 876.	4.4	16
43	Volumetric Food Quantification Using Computer Vision on a Depth-Sensing Smartphone: Preclinical Study. <i>JMIR MHealth and UHealth</i> , 2020, 8, e15294.	3.7	15
44	Longitudinal Study of the Variation in Patient Turnover and Patient-to-Nurse Ratio: Descriptive Analysis of a Swiss University Hospital. <i>Journal of Medical Internet Research</i> , 2020, 22, e15554.	4.3	15
45	Polygyny in the olive fly effects on male and female fitness. <i>Behavioral Ecology and Sociobiology</i> , 2015, 69, 1323-1332.	1.4	14
46	Accuracy and Calibration of Computational Approaches for Inpatient Mortality Predictive Modeling. <i>PLoS ONE</i> , 2016, 11, e0159046.	2.5	14
47	Estimating changes in mean population age using the death distributions of live-captured medflies. <i>Ecological Entomology</i> , 2012, 37, 359-369.	2.2	13
48	Confidence intervals for differences between volumes under receiver operating characteristic surfaces (VUS) and generalized Youden indices (GYIs). <i>Statistical Methods in Medical Research</i> , 2018, 27, 675-688.	1.5	12
49	Assessment of diagnostic markers by goodness-of-fit tests. <i>Statistics in Medicine</i> , 2003, 22, 2503-2513.	1.6	11
50	Comparison of ROC Umbrella Volumes with an Application to the Assessment of Lung Cancer Diagnostic Markers. <i>Biometrical Journal</i> , 2007, 49, 654-664.	1.0	11
51	Rating knockdown of flour beetles after exposure to two insecticides as an indicator of mortality. <i>Scientific Reports</i> , 2021, 11, 1145.	3.3	10
52	Immunogenicity after the first dose of the BNT162b2 mRNA Covid-19 vaccine: real-world evidence from Greek healthcare workers. <i>Journal of Medical Microbiology</i> , 2021, 70, .	1.8	10
53	Considerations on what constitutes a "qualified statistician" in regulatory guidelines. <i>Statistics in Medicine</i> , 2012, 31, 1303-1305.	1.6	9
54	Geographical variation in adult life-history traits of the European cherry fruit fly, <i>Rhagoletis cerasi</i> (Diptera: Tephritidae). <i>Biological Journal of the Linnean Society</i> , 2012, 107, 137-152.	1.6	9

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55	Machine Learning Prediction of Hypoglycemia and Hyperglycemia From Electronic Health Records: Algorithm Development and Validation. <i>JMIR Formative Research</i> , 2022, 6, e36176.	1.4	8
56	Antibody titers after a third dose of the SARS-CoV-2 BNT162b2 vaccine in immunocompromised adults in Greece: Is a fourth dose necessary?. <i>Journal of Medical Virology</i> , 2022, 94, 5056-5060.	5.0	8
57	Local adaptation, intrapopulation adult emergence patterns, sex and prolonged diapause regulate the rate of postwinter development in pupae of the European cherry fruit fly. <i>Biological Journal of the Linnean Society</i> , 2017, 121, 282-293.	1.6	7
58	Differential response to larval crowding of a long-lived and a short-lived medfly biotype. <i>Journal of Evolutionary Biology</i> , 2020, 33, 329-341.	1.7	7
59	Biomarker assessment in ROC curve analysis using the length of the curve as an index of diagnostic accuracy: the binormal model framework. <i>ASTA Advances in Statistical Analysis</i> , 2020, 104, 625-647.	0.9	7
60	Multiplexed Assay to Quantify the PP-Fold Family of Peptides in Human Plasma Using Microflow Liquid Chromatography-Tandem Mass Spectrometry. <i>Clinical Chemistry</i> , 2022, 68, 584-594.	3.2	7
61	A comparative study among landraces of <i>Phaseolus vulgaris</i> L. and <i>P. coccineus</i> L. based on molecular, physicochemical and sensory analysis for authenticity purposes. <i>Scientia Horticulturae</i> , 2012, 144, 10-18.	3.6	6
62	A study on the effects of climate change on viticulture on Santorini Island. <i>Oeno One</i> , 2021, 56, 259-273.	1.4	6
63	A Receiver Operating Characteristic Analysis Approach for the Assessment of the Separation of Female Mediterranean Fruit Fly (Diptera: Tephritidae) Oviposition Distributions. <i>Journal of Economic Entomology</i> , 2009, 102, 1985-1991.	1.8	5
64	Persistence and efficacy of indoxacarb against three stored product insect species on wheat and maize. <i>Journal of Stored Products Research</i> , 2017, 73, 74-86.	2.6	5
65	Editorial for the special issue of "Statistical Methods in Medical Research" on "Advanced ROC analysis". <i>Statistical Methods in Medical Research</i> , 2018, 27, 649-650.	1.5	5
66	Independent Prognostic Value of MRproANP (Midregional Proatrial Natriuretic Peptide) Levels in Patients With Stroke Is Unaltered Over Time. <i>Stroke</i> , 2020, 51, 1873-1875.	2.0	5
67	A Single Load of Fructose Attenuates the Risk of Exercise-Induced Hypoglycemia in Adults With Type 1 Diabetes on Ultra-Long-Acting Basal Insulin: A Randomized, Open-Label, Crossover Proof-of-Principle Study. <i>Diabetes Care</i> , 2020, 43, 2010-2016.	8.6	5
68	Second dose of the BNT162b2 mRNA vaccine: Value of timely administration but questionable necessity among the seropositive. <i>Vaccine</i> , 2021, 39, 5078-5081.	3.8	5
69	A generalized ROC approach for the validation of credit rating systems and scorecards. <i>Journal of Risk Finance</i> , 2007, 8, 481-488.	5.6	4
70	Agronomic, cytogenetic and molecular studies on hermaphroditism and self-compatibility in the Greek kiwifruit (<i>Actinidia deliciosa</i>) cultivar "Tsechelidis". <i>Journal of Horticultural Science and Biotechnology</i> , 2016, 91, 2-13.	1.9	3
71	A metabolomics approach to uncover effects of different exercise modalities in type 1 diabetes. <i>Metabolomics</i> , 2017, 13, 1.	3.0	3
72	A study of indices useful for the assessment of diagnostic markers in non-parametric ROC curve analysis. <i>Communications in Statistics Part B: Simulation and Computation</i> , 2020, 49, 2102-2113.	1.2	3

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73	State farmland redistribution processes in Greece and farmers' attitudes: A case study of the Karla basin. <i>Journal of Rural Studies</i> , 2020, 79, 322-333.	4.7	3
74	Rapid quantification of insulin degludec by immunopurification combined with liquid chromatography high-resolution mass spectrometry. <i>Analytical and Bioanalytical Chemistry</i> , 2020, 412, 8351-8359.	3.7	3
75	Metabolomic, hormonal and physiological responses to hypoglycemia versus euglycemia during exercise in adults with type 1 diabetes. <i>BMJ Open Diabetes Research and Care</i> , 2020, 8, e001577.	2.8	3
76	Pharmacokinetics of Faster and Standard Insulin Aspart During Fully Closed-Loop Insulin Delivery in Type 2 Diabetes. <i>Diabetes Technology and Therapeutics</i> , 2020, 22, 691-696.	4.4	3
77	Immunogenicity after the First Dose of the BNT162b2 mRNA COVID-19 Vaccine: Real-World Evidence from Greek Healthcare Workers. <i>SSRN Electronic Journal</i> , 0, , .	0.4	3
78	Inference on the overlap coefficient: The binormal approach and alternatives. <i>Statistical Methods in Medical Research</i> , 2021, 30, 2672-2684.	1.5	3
79	Performance of the One-Sample Goodness-of-Fit P-Plot Length Test. <i>Communications in Statistics Part B: Simulation and Computation</i> , 2007, 36, 1053-1059.	1.2	2
80	Inference in receiver operating characteristic surface analysis via a trinormal model-based testing approach. <i>Stat</i> , 2019, 8, e249.	0.4	2
81	Changepoint analysis of gestational age and birth weight: proposing a refinement of Diagnosis Related Groups. <i>Pediatric Research</i> , 2020, 87, 910-916.	2.3	2
82	Effect of nutrition on postprandial glucose control in hospitalized patients with type 2 diabetes receiving fully automated closed-loop insulin therapy. <i>Diabetes, Obesity and Metabolism</i> , 2021, 23, 234-239.	4.4	2
83	Statistical inference for the difference between two maximized Youden indices obtained from correlated biomarkers. <i>Biometrical Journal</i> , 2021, 63, 1241-1253.	1.0	2
84	Targeted and global pharmacometabolomics in everolimus-based immunosuppression: association of co-medication and lysophosphatidylcholines with dose requirement. <i>Metabolomics</i> , 2018, 14, 3.	3.0	1
85	Bootstrap-based testing approaches for the assessment of the diagnostic accuracy of biomarkers subject to a limit of detection. <i>Statistical Methods in Medical Research</i> , 2019, 28, 1564-1578.	1.5	1
86	Effects of Freezing and Thawing Procedures on Selected Clinical Chemistry Parameters in Plasma. <i>Biopreservation and Biobanking</i> , 2020, 18, 297-304.	1.0	1
87	FruTemp: Design, Implementation and Analysis for an Open-Source Temperature Logger Applied to Fruit Fly Host Experimentation. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 6003.	2.5	1
88	Effects of Aerobic Exercise on Systemic Insulin Degludec Concentrations in People With Type 1 Diabetes. <i>Journal of Diabetes Science and Technology</i> , 2021, , 193229682110439.	2.2	1
89	Testing against umbrella or tree orderings for binomial proportions with an adaptation of an insect resistance case. <i>Biometrical Journal</i> , 2020, 62, 1574-1588.	1.0	1
90	A Method Comparison Study between Open Source and Industrial Weather Stations. <i>Engineering Proceedings</i> , 2021, 9, .	0.4	1

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91	Haematology reference values for <i>Dicentrarchus labrax</i> and <i>Sparus aurata</i> : A systematic review and meta-analysis. <i>Journal of Fish Diseases</i> , 0, , .	1.9	1
92	On "Efficient statistical tests to compare Youden index: accounting for contingency correlation". <i>Statistics in Medicine</i> , 2016, 35, 635-636.	1.6	0
93	In response to the letter to the editor on our manuscript "High sensitive cardiac troponin T: Testing the test" by Dr. Badertscher. <i>International Journal of Cardiology</i> , 2017, 234, 127.	1.7	0
94	P159 Effects of subacute hypobaric hypoxia on human respiratory muscle function and diaphragm morphology. <i>Chest</i> , 2017, 151, A57.	0.8	0
95	Effect of fully automated closed-loop insulin delivery using faster aspart versus standard aspart on glyco-regulatory hormones in type 2 diabetes. <i>Diabetes, Obesity and Metabolism</i> , 2021, 23, 228-233.	4.4	0
96	Ordered Multiple Class Receiver Operating Characteristic (ROC) Analysis. , 2010, , 929-932.		0
97	Ordered Multiple Class Receiver Operating Characteristic (ROC) Analysis. , 2012, , 929-932.		0
98	Effects of hypobaric hypoxia on circulating microRNA expression and hypoxic pulmonary vasoconstriction. , 2016, , .		0
99	86-LB: Accuracy of a Factory-Calibrated, Real-Time Continuous Glucose Monitoring (CGM) System during Elective Abdominal Surgery. <i>Diabetes</i> , 2020, 69, .	0.6	0
100	Insufficient weight loss after banded vs. non-banded primary gastric bypass surgery: insights from an observational 5-year follow-up study. <i>Surgical Endoscopy and Other Interventional Techniques</i> , 2022, , 1.	2.4	0