Dimitris Rizopoulos

List of Publications by Year
in descending order

129 papers	5,947 citations	94433 37 h-index	95266 68 g-index
134 all docs	134 docs citations	134 times ranked	7906 citing authors

#	Article	IF	Citations
1	**ltm**: An *R* Package for Latent Variable Modeling and Item Response Theory Analyses. Journal of Statistical Software, 2006, 17, .	3.7	820
2	Joint Models for Longitudinal and Time-to-Event Data. , 0, , .		554
3	**JM**: An *R* Package for the Joint Modelling of Longitudinal and Time-to-Event Data. Journal of Statistical Software, 2010, 35, .	3.7	328
4	Dynamic Predictions and Prospective Accuracy in Joint Models for Longitudinal and Time-to-Event Data. Biometrics, 2011, 67, 819-829.	1.4	305
5	Unnatural History of Tetralogy of Fallot. Circulation, 2014, 130, 1944-1953.	1.6	187
6	Endovascular Revascularization and Supervised Exercise for Peripheral Artery Disease and Intermittent Claudication. JAMA - Journal of the American Medical Association, 2015, 314, 1936.	7.4	184
7	A Bayesian semiparametric multivariate joint model for multiple longitudinal outcomes and a time‐to‐event. Statistics in Medicine, 2011, 30, 1366-1380.	1.6	166
8	Increase of prevalence of craniosynostosis. Journal of Cranio-Maxillo-Facial Surgery, 2016, 44, 1273-1279.	1.7	145
9	The *R* Package **JMbayes** for Fitting Joint Models for Longitudinal and Time-to-Event Data Using MCMC. Journal of Statistical Software, 2016, 72, .	3.7	141
10	The logistic transform for bounded outcome scores. Biostatistics, 2007, 8, 72-85.	1.5	127
11	Survival Benefit of Lung Transplant for Cystic Fibrosis since Lung Allocation Score Implementation. American Journal of Respiratory and Critical Care Medicine, 2013, 187, 1335-1340.	5.6	121
12	Shared parameter models under random effects misspecification. Biometrika, 2008, 95, 63-74.	2.4	107
13	Long-term benefit of enzyme replacement therapy in Pompe disease. Neurology, 2017, 89, 2365-2373.	1.1	93
14	Dynamic predictions with time‐dependent covariates in survival analysis using joint modeling and landmarking. Biometrical Journal, 2017, 59, 1261-1276.	1.0	88
15	Fully Exponential Laplace Approximations for the Joint Modelling of Survival and Longitudinal Data. Journal of the Royal Statistical Society Series B: Statistical Methodology, 2009, 71, 637-654.	2.2	86
16	Usefulness of Serial N-Terminal Pro–B-Type Natriuretic Peptide Measurements for Determining Prognosis in Patients With Pulmonary Arterial Hypertension. American Journal of Cardiology, 2011, 108, 1645-1650.	1.6	85
17	A randomized controlled trial with everolimus for IQ and autism in tuberous sclerosis complex. Neurology, 2019, 93, e200-e209.	1.1	78
18	Sirolimus for epilepsy in children with tuberous sclerosis complex. Neurology, 2016, 87, 1011-1018.	1.1	73

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19	An Overview of Joint Modeling of Time-to-Event and Longitudinal Outcomes. Annual Review of Statistics and Its Application, 2019, 6, 223-240.	7.0	71
20	The proactive wet-wrap method with diluted corticosteroids versus emollients in children withÂatopic dermatitis: A prospective, randomized, double-blind, placebo-controlled trial. Journal of the American Academy of Dermatology, 2014, 70, 1076-1082.	1.2	70
21	Large variation in effects during 10 years of enzyme therapy in adults with Pompe disease. Neurology, 2019, 93, e1756-e1767.	1.1	70
22	Combining Dynamic Predictions From Joint Models for Longitudinal and Time-to-Event Data Using Bayesian Model Averaging. Journal of the American Statistical Association, 2014, 109, 1385-1397.	3.1	68
23	Dealing with missing covariates in epidemiologic studies: a comparison between multiple imputation and a full Bayesian approach. Statistics in Medicine, 2016, 35, 2955-2974.	1.6	62
24	Joint modeling of two longitudinal outcomes and competing risk data. Statistics in Medicine, 2014, 33, 3167-3178.	1.6	55
25	Fast fitting of joint models for longitudinal and event time data using a pseudo-adaptive Gaussian quadrature rule. Computational Statistics and Data Analysis, 2012, 56, 491-501.	1.2	54
26	Infliximab in young paediatric IBD patients: it is all about the dosing. European Journal of Pediatrics, 2020, 179, 1935-1944.	2.7	51
27	Understanding of interaction (subgroup) analysis in clinical trials. European Journal of Clinical Investigation, 2019, 49, e13145.	3.4	50
28	Comparative study of the effects of electrical stimulation in the nucleus accumbens, the mediodorsal thalamic nucleus and the bed nucleus of the stria terminalis in rats with schedule-induced polydipsia. Brain Research, 2008, 1201, 93-99.	2.2	49
29	Association between polyunsaturated fatty acid concentrations in maternal plasma phospholipids during pregnancy and offspring adiposity at age 7: The MEFAB cohort. Prostaglandins Leukotrienes and Essential Fatty Acids, 2014, 91, 81-85.	2.2	49
30	Long-term serial kinetics of N-terminal pro B-type natriuretic peptide and carbohydrate antigen 125 for mortality risk prediction following acute heart failure. European Heart Journal: Acute Cardiovascular Care, 2017, 6, 685-696.	1.0	49
31	An Introduction to Mixed Models and Joint Modeling: Analysis of Valve Function Over Time. Annals of Thoracic Surgery, 2012, 93, 1765-1772.	1.3	48
32	A Twoâ€Part Joint Model for the Analysis of Survival and Longitudinal Binary Data with Excess Zeros. Biometrics, 2008, 64, 611-619.	1.4	47
33	Multipleâ€Imputationâ€Based Residuals and Diagnostic Plots for Joint Models of Longitudinal and Survival Outcomes. Biometrics, 2010, 66, 20-29.	1.4	47
34	Web-Based Mindfulness Intervention in Heart Disease: A Randomized Controlled Trial. PLoS ONE, 2015, 10, e0143843.	2.5	47
35	Random Effects Models for Longitudinal Data. , 2010, , 37-96.		45
36	Assessing the level of consciousness in children: A plea for the Glasgow Coma Motor subscore. Resuscitation, 2008, 76, 175-179.	3.0	41

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37	Anti-TNF Levels in Cord Blood at Birth are Associated with Anti-TNF Type. Journal of Crohn's and Colitis, 2018, 12, 939-947.	1.3	41
38	Recommendations to improve the Positive and Negative Syndrome Scale (PANSS) based on item response theory. Psychiatry Research, 2011, 188, 446-452.	3.3	40
39	Toward personalized risk assessment in patients with chronic heart failure: Detailed temporal patterns of NT-proBNP, troponin T, and CRP in the Bio-SHiFT study. American Heart Journal, 2018, 196, 36-48.	2.7	40
40	Improved Dynamic Predictions from Joint Models of Longitudinal and Survival Data with Time-varying Effects Using P-splines. Biometrics, 2018, 74, 685-693.	1.4	39
41	Bayesian shrinkage approach for a joint model of longitudinal and survival outcomes assuming different association structures. Statistics in Medicine, 2016, 35, 4813-4823.	1.6	36
42	Serially measured circulating miR-22-3p is a biomarker for adverse clinical outcome in patients with chronic heart failure: The Bio-SHiFT study. International Journal of Cardiology, 2017, 235, 124-132.	1.7	36
43	Personalized screening intervals for biomarkers using joint models for longitudinal and survival data. Biostatistics, 2016, 17, 149-164.	1.5	35
44	Does aortic stiffness improve the prediction of coronary heart disease in elderly? The Rotterdam Study. Journal of Human Hypertension, 2012, 26, 28-34.	2.2	30
45	Defining Optimal Health Range for Thyroid Function Based on the Risk of Cardiovascular Disease. Journal of Clinical Endocrinology and Metabolism, 2017, 102, 2853-2861.	3.6	30
46	IGFBP-2 and aging: a 20-year longitudinal study on IGFBP-2, IGF-I, BMI, insulin sensitivity and mortality in an aging population. European Journal of Endocrinology, 2019, 180, 109-116.	3.7	30
47	Bone health of children with intestinal failure measured by dual energy X-ray absorptiometry and digital X-ray radiogrammetry. Clinical Nutrition, 2018, 37, 687-694.	5.0	29
48	Comparing methods to combine functional loss and mortality in clinical trials for amyotrophic lateral sclerosis. Clinical Epidemiology, 2018, Volume 10, 333-341.	3.0	29
49	Introduction to the special issue on joint modelling techniques. Statistical Methods in Medical Research, 2014, 23, 3-10.	1.5	28
50	Determinants of the Evolution of Kidney Function With Age. Kidney International Reports, 2021, 6, 3054-3063.	0.8	28
51	12 Year Trajectories of Depressive Symptoms in Community-Dwelling Older Adults and the Subsequent Risk of Death Over 13 Years. Journals of Gerontology - Series A Biological Sciences and Medical Sciences, 2018, 73, 820-827.	3.6	27
52	Temporal Patterns of 14 Blood Biomarker candidates of Cardiac Remodeling in Relation to Prognosis of Patients With Chronic Heart Failure—The Bio-SHiFT Study. Journal of the American Heart Association, 2019, 8, e009555.	3.7	27
53	Patient-specific evolution of renal function in chronic heart failure patients dynamically predicts clinical outcome in the Bio-SHiFT study. Kidney International, 2018, 93, 952-960.	5.2	26
54	Decreased plasma l-arginine levels in organic acidurias (MMA and PA) and decreased plasma branched-chain amino acid levels in urea cycle disorders as a potential cause of growth retardation: Options for treatment. Molecular Genetics and Metabolism, 2019, 126, 397-405.	1.1	26

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55	Bayesian imputation of time-varying covariates in linear mixed models. Statistical Methods in Medical Research, 2019, 28, 555-568.	1.5	26
56	Dynamic prediction of outcome for patients with severe aortic stenosis: application of joint models for longitudinal and time-to-event data. BMC Cardiovascular Disorders, 2015, 15, 28.	1.7	24
57	Joint models with multiple longitudinal outcomes and a time-to-event outcome: a corrected two-stage approach. Statistics and Computing, 2020, 30, 999-1014.	1.5	24
58	Repeated Measurements of NT-pro-B-Type Natriuretic Peptide, Troponin T or C-Reactive Protein Do Not Predict Future Allograft Rejection in Heart Transplant Recipients. Transplantation, 2015, 99, 580-585.	1.0	22
59	Tools & Techniques - Statistics: Dealing with time-varying covariates in survival analysis – joint models versus Cox models. EuroIntervention, 2014, 10, 285-288.	3.2	22
60	Prevalence and determinants of declining versus stable hemoglobin levels in whole blood donors. Transfusion, 2015, 55, 1955-1963.	1.6	20
61	Usefulness of Serial N-terminal Pro-B-type Natriuretic Peptide Measurements to Predict Cardiac Death in Acute and Chronic Dilated Cardiomyopathy in Children. American Journal of Cardiology, 2016, 118, 1723-1729.	1.6	20
62	Generalized latent variable models with non-linear effects. British Journal of Mathematical and Statistical Psychology, 2008, 61, 415-438.	1.4	19
63	Performance of Classification Systems for Age-Related Macular Degeneration in the Rotterdam Study. Translational Vision Science and Technology, 2020, 9, 26.	2.2	19
64	Reflection on modern methods: Dynamic prediction using joint models of longitudinal and time-to-event data. International Journal of Epidemiology, 2021, 50, 1731-1743.	1.9	19
65	A joint survival-longitudinal modelling approach for the dynamic prediction of rehospitalization in telemonitored chronic heart failure patients. Statistical Modelling, 2013, 13, 179-198.	1.1	18
66	Weighted pairwise likelihood estimation for a general class of random effects models. Biostatistics, 2014, 15, 677-689.	1.5	18
67	Generalized linear mixed joint model for longitudinal and survival outcomes. Statistics and Computing, 2014, 24, 417-427.	1.5	18
68	Growth, Body Composition, and Micronutrient Abnormalities During and After Weaning Off Home Parenteral Nutrition. Journal of Pediatric Gastroenterology and Nutrition, 2018, 67, e95-e100.	1.8	17
69	Personalized dynamic risk assessment in nephrology is a next step in prognostic research. Kidney International, 2018, 94, 214-217.	5.2	17
70	<tt>%JM</tt>: A <i>SAS</i> Macro to Fit Jointly Generalized Mixed Models for Longitudinal Data and Time-to-Event Responses. Journal of Statistical Software, 2018, 84, .	3.7	16
71	Extension of the association structure in joint models to include weighted cumulative effects. Statistics in Medicine, 2017, 36, 3746-3759.	1.6	15
72	Cost-effectiveness of enzyme replacement therapy with alglucosidase alfa in adult patients with Pompe disease. Orphanet Journal of Rare Diseases, 2017, 12, 179.	2.7	15

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73	Personalised biopsy schedules based on risk of Gleason upgrading for patients with low‑risk prostate cancer on active surveillance. BJU International, 2021, 127, 96-107.	2.5	15
74	Long-term prognosis after kidney donation: a propensity score matched comparison of living donors and non-donors from two population cohorts. European Journal of Epidemiology, 2020, 35, 699-707.	5.7	15
75	Personalized Schedules for Surveillance of Low-Risk Prostate Cancer Patients. Biometrics, 2019, 75, 153-162.	1.4	14
76	Survival After Uncomplicated EVAR in Octogenarians is Similar to the General Population of Octogenarians Without an Abdominal Aortic Aneurysm. European Journal of Vascular and Endovascular Surgery, 2020, 59, 740-747.	1.5	14
77	Nonignorable Models for Intermittently Missing Categorical Longitudinal Responses. Biometrics, 2010, 66, 834-844.	1.4	13
78	Defining Glaucomatous Optic Neuropathy from a Continuous Measure of Optic Nerve Damage â€" The Optimal Cut-off Point for Risk-factor Analysis in Population-based Epidemiology. Ophthalmic Epidemiology, 2011, 18, 211-216.	1.7	12
79	Response to Conservative Treatment for Thumb Carpometacarpal Osteoarthritis Is Associated With Conversion to Surgery: A Prospective Cohort Study. Physical Therapy, 2019, 99, 570-576.	2.4	12
80	A Two-Stage Joint Model for Nonlinear Longitudinal Response and a Time-to-Event with Application in Transplantation Studies. Journal of Probability and Statistics, 2012, 2012, 1-18.	0.7	11
81	A characterization of missingness at random in a generalized shared‑parameter joint modeling framework for longitudinal and time‑to‑event data, and sensitivity analysis. Biometrical Journal, 2014, 56, 1001-1015.	1.0	10
82	Active surveillance: a review of risk-based, dynamic monitoring. Translational Andrology and Urology, 2018, 7, 106-115.	1.4	10
83	Bayesian hierarchical modeling of longitudinal glaucomatous visual fields using a two‑stage approach. Statistics in Medicine, 2017, 36, 1735-1753.	1.6	9
84	Individualized dynamic prediction of survival with the presence of intermediate events. Statistics in Medicine, 2019, 38, 5623-5640.	1.6	9
85	A marginal estimate for the overall treatment effect on a survival outcome within the joint modeling framework. Statistics in Medicine, 2020, 39, 4120-4132.	1.6	9
86	Dynamic personalized risk prediction in chronic heart failure patients: a longitudinal, clinical investigation of 92 biomarkers (Bio-SHiFT study). Scientific Reports, 2022, 12, 2795.	3.3	9
87	Paediatric trauma and trauma care in Flanders (Belgium). Methodology and first descriptive results of the PENTA registry. European Journal of Pediatrics, 2008, 167, 1239-1249.	2.7	8
88	LOng-term follow-up after liVE kidney donation (LOVE) study: a longitudinal comparison study protocol. BMC Nephrology, 2016, 17, 14.	1.8	8
89	Joint modeling of longitudinal continuous, longitudinal ordinal, and time-to-event outcomes. Lifetime Data Analysis, 2021, 27, 64-90.	0.9	8
90	Peripheral Immune Cell Numbers and C-Reactive Protein in Parkinsonâ€™s Disease: Results from a Population-Based Study. Journal of Parkinson's Disease, 2022, 12, 667-678.	2.8	8

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91	Power and sample size calculations for discrete bounded outcome scores. Statistics in Medicine, 2006, 25, 4241-4252.	1.6	7
92	A flexible joint modeling framework for longitudinal and time-to-event data with overdispersion. Statistical Methods in Medical Research, 2016, 25, 1661-1676.	1.5	7
93	Validity of the Flemish working alliance inventory in a Dutch physiotherapy setting in patients with shoulder pain. Physiotherapy Theory and Practice, 2018, 34, 384-392.	1.3	7
94	Repeated Echocardiograms Do Not Provide Incremental Prognostic Value to Single Echocardiographic Assessment in Minimally Symptomatic Patients with Chronic Heart Failure: Results of the Bio-SHiFT Study. Journal of the American Society of Echocardiography, 2019, 32, 1000-1009.	2.8	7
95	Risk factors for longitudinal changes in left ventricular diastolic function among women and men. Heart, 2019, 105, 1414-1422.	2.9	7
96	Integrating latent classes in the Bayesian shared parameter joint model of longitudinal and survival outcomes. Statistical Methods in Medical Research, 2020, 29, 3294-3307.	1.5	7
97	Local sensitivity to non-ignorability in joint models. Statistical Modelling, 2014, 14, 205-228.	1.1	6
98	Prediction of hemoglobin in blood donors using a latent class mixed-effects transition model. Statistics in Medicine, 2016, 35, 581-594.	1.6	6
99	Personalized Decision Making for Biopsies in Prostate Cancer Active Surveillance Programs. Medical Decision Making, 2019, 39, 499-508.	2.4	6
100	Joint Modeling of Longitudinal Markers and Time-to-Event Outcomes: An Application and Tutorial in Patients After Surgical Repair of Transposition of the Great Arteries. Circulation: Cardiovascular Quality and Outcomes, 2021, 14, e007593.	2.2	6
101	Modeling the underlying biological processes in Alzheimer's disease using a multivariate competing risk joint model. Statistics in Medicine, 2022, 41, 3421-3433.	1.6	6
102	Using joint models to disentangle intervention effect types and baseline confounding: an application within an intervention study in prodromal Alzheimer's disease with Fortasyn Connect. BMC Medical Research Methodology, 2019, 19, 163.	3.1	5
103	Joint models for longitudinal and time-to-event data in a case-cohort design. Statistics in Medicine, 2019, 38, 2269-2281.	1.6	5
104	Cardiac output changes from prior to pregnancy to post partum using two non-invasive techniques. Heart, 2019, 105, 715-720.	2.9	5
105	Electroencephalography in Normotensive and Hypertensive Pregnancies and Subsequent Quality of Life. PLoS ONE, 2016, 11, e0155299.	2.5	5
106	Shared decision making of burdensome surveillance tests using personalized schedules and their burden and benefit. Statistics in Medicine, 2022, 41, 2115-2131.	1.6	5
107	The long-term outcome after severe trauma of children in Flanders (Belgium): a population-based cohort study using the International Classification of Functioning-related outcome score. European Journal of Pediatrics, 2011, 170, 65-73.	2.7	4
108	Machine learning for causal inference in Biostatistics. Biostatistics, 2020, 21, 336-338.	1.5	4

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109	MMRM vs joint modeling of longitudinal responses and time to study drug discontinuation in clinical trials using a "de jure" estimand. Pharmaceutical Statistics, 2020, 19, 909-927.	1.3	4
110	Endovascular Revascularization Plus Supervised Exercise Versus Supervised Exercise Only for Intermittent Claudication: A Cost-Effectiveness Analysis. Circulation: Cardiovascular Interventions, 2021, 14, e010703.	3.9	4
111	Joint Modeling of Longitudinal and Time-to-Event Data: Challenges and Future Directions. Studies in Theoretical and Applied Statistics, Selected Papers of the Statistical Societies, 2013, , 199-209.	0.2	4
112	Anthropometrics and fat mass, but not fat-free mass, are compromised in infants requiring parenteral nutrition after neonatal intestinal surgery. American Journal of Clinical Nutrition, 2022, 115, 503-513.	4.7	4
113	Kidney function and the risk of sudden cardiac death in the general population. CKJ: Clinical Kidney Journal, 2022, 15, 1524-1533.	2.9	4
114	Incorporating historical control information in <scp>ANCOVA</scp> models using the meta-analytic-predictive approach. Research Synthesis Methods, 2022, 13, 681-696.	8.7	4
115	Joint Modeling of Repeated Measurements of Different Biomarkers Predicts Mortality in COVID-19 Patients in the Intensive Care Unit. Biomarker Insights, 2022, 17, 117727192211123.	2.5	4
116	Can serial cerebral <scp>MRIs</scp> predict the neuronopathic phenotype of <scp>MPS II</scp>?. Journal of Inherited Metabolic Disease, 2021, 44, 751-762.	3.6	3
117	A Bayesian joint model for zero-inflated integers and left-truncated event times with a time-varying association: Applications to senior health care. Statistics in Medicine, 2021, 40, 147-166.	1.6	3
118	A competing risk joint model for dealing with different types of missing data in an intervention trial in prodromal Alzheimer's disease. Alzheimer's Research and Therapy, 2021, 13, 63.	6.2	3
119	Incorporating historical controls in clinical trials with longitudinal outcomes using the modified power prior. Pharmaceutical Statistics, 2022, , .	1.3	3
120	Dementia and death: Separate sides of the atrial fibrillation coin?. International Journal of Cardiology, 2017, 227, 189.	1.7	2
121	Influence of pregnancy on long-term durability of allografts in right ventricular outflow tract. Journal of Thoracic and Cardiovascular Surgery, 2020, 159, 1508-1516.e1.	0.8	2
122	Pairwise estimation of multivariate longitudinal outcomes in a Bayesian setting with extensions to the joint model. Statistical Modelling, 2021, 21, 115-136.	1.1	2
123	High impact of pediatric inflammatory bowel disease on caregivers' work productivity and daily activities: an international prospective study. Journal of Pediatrics, 2022, , .	1.8	2
124	Comments on 'Joint modeling of survival and longitudinal non-survival data: current methods and issues. Report of the DIA Bayesian Joint Modeling Working Group'. Statistics in Medicine, 2015, 34, 2196-2197.	1.6	1
125	Predicting anti-RhD titers in donors: Boostering response and decline rates are personal. PLoS ONE, 2018, 13, e0196382.	2.5	1
126	A hydroxylated collagen peptide in urine as biomarker for the detection of colorectal liver metastases.. Journal of Clinical Oncology, 2016, 34, e15081-e15081.	1.6	1

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127	Simple analysis of non-Markov models: A case study on heart transplant data. Statistical Modelling, 2015, 15, 51-69.	1.1	0
128	Reply. Journal of Hypertension, 2019, 37, 1729-1730.	0.5	0
129	The Effect of a Personalized Newsletter to Physical Therapists on Patient Recruitment: A Cluster Randomized Trial in Primary Physiotherapy Care. Journal of Manipulative and Physiological Therapeutics, 2020, 43, 476-482.	0.9	0