Edsel A Pena

List of Publications by Year
in descending order

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57 papers	1,194 citations	516710 16 h-index	395702 33 g-index
62 all docs	62 docs citations	62 times ranked	1343 citing authors

#	Article	IF	Citations
1	Global Validation of Linear Model Assumptions. Journal of the American Statistical Association, 2006, 101, 341-354.	3.1	304
2	Estimating Load-Sharing Properties in a Dynamic Reliability System. Journal of the American Statistical Association, 2005, 100, 262-272.	3.1	116
3	Dynamic Modeling and Statistical Analysis of Event Times. Statistical Science, 2006, 21, 1-26.	2.8	77
4	Semiparametric inference for a general class of models for recurrent events. Journal of Statistical Planning and Inference, 2007, 137, 1727-1747.	0.6	62
5	A Chi-Squared Goodness-of-Fit Test for Randomly Censored Data. Journal of the American Statistical Association, 1992, 87, 458-463.	3.1	48
6	Dynamic reliability models with conditional proportional hazards. Lifetime Data Analysis, 1995, 1, 377-401.	0.9	48
7	Models for Recurrent Events in Reliability and Survival Analysis. Profiles in Operations Research, 2004, , 105-123.	0.4	35
8	Parametric latent class joint model for a longitudinal biomarker and recurrent events. Statistics in Medicine, 2007, 26, 5285-5302.	1.6	33
9	Power-enhanced multiple decision functions controlling family-wise error and false discovery rates. Annals of Statistics, 2011, 39, 556-583.	2.6	33
10	Smooth Goodness-of-Fit Tests for the Baseline Hazard in Cox's Proportional Hazards Model. Journal of the American Statistical Association, 1998, 93, 673-692.	3.1	32
11	Informationâ€theoretic modelâ€averaged benchmark dose analysis in environmental risk assessment. Environmetrics, 2013, 24, 143-157.	1.4	32
12	Smooth goodness-of-fit tests for composite hypothesis in hazard based models. Annals of Statistics, 1998, 26, .	2.6	29
13	A General Class of Parametric Models for Recurrent Event Data. Technometrics, 2007, 49, 210-221.	1.9	27
14	The impact of model uncertainty on benchmark dose estimation. Environmetrics, 2012, 23, 706-716.	1.4	26
15	RandomisedP-values and nonparametric procedures in multiple testing. Journal of Nonparametric Statistics, 2011, 23, 583-604.	0.9	24
16	Properties of Hazard-Based Residuals and Implications in Model Diagnostics. Journal of the American Statistical Association, 1995, 90, 185-197.	3.1	21
17	Nonparametric Methods in Reliability. Statistical Science, 2004, 19, 644-651.	2.8	17
18	A DYNAMIC COMPETING RISKS MODEL. Probability in the Engineering and Informational Sciences, 1999, 13, 333-358.	0.8	16

#	Article	IF	Citations
19	Recurrent events and the exploding Cox model. Lifetime Data Analysis, 2010, 16, 525-546.	0.9	16
20	Comparison of Aortic Collagen Fiber Angle Distribution in Mouse Models of Atherosclerosis Using Second-Harmonic Generation (SHG) Microscopy. Microscopy and Microanalysis, 2016, 22, 55-62.	0.4	16
21	Order Statistic Properties, Random Generation, and Goodness-of-Fit Testing for a Minimal Repair Model. Journal of the American Statistical Association, 1999, 94, 266-272.	3.1	14
22	Goodness-of-fit of the distribution of time-to-first-occurrence in recurrent event models. Lifetime Data Analysis, 2001, 7, 289-306.	0.9	14
23	Modelling intervention effects after cancer relapses. Statistics in Medicine, 2005, 24, 3959-3975.	1.6	12
24	A basis approach to goodness-of-fit testing in recurrent event models. Journal of Statistical Planning and Inference, 2005, 133, 285-303.	0.6	11
25	Smooth Goodness-of-Fit Tests for the Baseline Hazard in Cox's Proportional Hazards Model. Journal of the American Statistical Association, 1998, 93, 673.	3.1	10
26	A Weak Convergence Result Relevant in Recurrent and Renewal Models. , 2000, , 493-514.		9
27	Asymptotics for a class of dynamic recurrent event models. Journal of Nonparametric Statistics, 2016, 28, 716-735.	0.9	8
28	Assessing Type I error and power of multistate Markov models for panel dataâ€"A simulation study. Communications in Statistics Part B: Simulation and Computation, 2017, 46, 7040-7061.	1.2	8
29	Estimation and efficiency with recurrent event data under informative monitoring. Journal of Statistical Planning and Inference, 2010, 140, 597-615.	0.6	7
30	Properties of Hazard-Based Residuals and Implications in Model Diagnostics. Journal of the American Statistical Association, 1995, 90, 185.	3.1	7
31	Variance Estimation in a Model With Gaussian Submodels. Journal of the American Statistical Association, 2005, 100, 296-309.	3.1	6
32	Nonparametric estimation with recurrent competing risks data. Lifetime Data Analysis, 2014, 20, 514-537.	0.9	6
33	A Chi-Squared Goodness-of-Fit Test for Randomly Censored Data. Journal of the American Statistical Association, 1992, 87, 458.	3.1	6
34	A simple motivation for James-Stein estimators. Statistics and Probability Letters, 1991, 12, 337-340.	0.7	5
35	Nonparametric Bayes estimation of gap-time distribution with recurrent event data. Journal of Nonparametric Statistics, 2014, 26, 575-598.	0.9	5
36	Compound<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si66.gif" display="inline" overflow="scroll"><mml:mi>p</mml:mi></mml:math>-value statistics for multiple testing procedures. Journal of Multivariate Analysis, 2014, 126, 153-166.	1.0	5

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37	Diet alters age-related remodeling of aortic collagen in mice susceptible to atherosclerosis. American Journal of Physiology - Heart and Circulatory Physiology, 2021, 320, H52-H65.	3.2	5
38	Bayes multiple decision functions. Electronic Journal of Statistics, 2013, 7, 1272-1300.	0.7	4
39	Comparison of multistate Markov modeling with contemporary outcomes in a reanalysis of the NINDS tissue plasminogen activator for acute ischemic stroke treatment trial. PLoS ONE, 2017, 12, e0187050.	2.5	4
40	Prediction Regions for Poisson and Over-Dispersed Poisson Regression Models with Applications in Forecasting the Number of Deaths during the COVID-19 Pandemic. Open Statistics, 2021, 2, 81-112.	0.5	4
41	Reliability models and inference for systems operating in different environments. Naval Research Logistics, 1996, 43, 1079-1108.	2.2	3
42	Sojourning With the Homogeneous Poisson Process. American Statistician, 2016, 70, 413-423.	1.6	3
43	Model Selection and Estimation with Quantalâ€Response Data in Benchmark Risk Assessment. Risk Analysis, 2017, 37, 716-732.	2.7	3
44	Variance Estimation in a Model with Gaussian Sub-Models. Journal of the American Statistical Association, 2005, 100, 296-309.	3.1	3
45	Improved estimation for a model arising in reliability and competing risks. Journal of Multivariate Analysis, 1991, 36, 18-34.	1.0	2
46	Ancillarity properties of generalized residuals with applications in failure time models. Journal of Statistical Planning and Inference, 1998, 74, 31-49.	0.6	2
47	DYNAMIC MODELING IN RELIABILITY AND SURVIVAL ANALYSIS. Series on Quality, Reliability and Engineering Statistics, 2005, , 55-71.	0.2	2
48	Treatment effect on ordinal functional outcome using piecewise multistate Markov model with unobservable baseline: an application to the modified Rankin scale. Journal of Biopharmaceutical Statistics, 2019, 29, 82-97.	0.8	2
49	Prediction intervals for Poissonâ€based regression models. Wiley Interdisciplinary Reviews: Computational Statistics, 0, , e1568.	3.9	2
50	Order Statistic Properties, Random Generation, and Goodness-of-Fit Testing for a Minimal Repair Model. Journal of the American Statistical Association, 1999, 94, 266.	3.1	2
51	Parametric Estimation in a Recurrent Competing Risks Model. Journal of the Iranian Statistical Society, 2013, 12, 153-181.	0.2	2
52	Some Comments about Sufficiency and Unbiased Estimation. American Statistician, 1994, 48, 242-243.	1.6	1
53	Properties of test statistics applied to residuals in failure time models. Journal of Statistical Planning and Inference, 1999, 75, 181-209.	0.6	1
54	Semiparametric estimation with recurrent event data under informative monitoring. Journal of Nonparametric Statistics, 2012, 24, 733-752.	0.9	1

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55	Classes of multiple decision functions strongly controlling FWER and FDR. Metrika, 2015, 78, 563-595.	0.8	1
56	Estimation of parameters under a random censorship model. Communications in Statistics - Theory and Methods, 1988, 17, 2819-2829.	1.0	0
57	Inference for a General Type II Censorship Model. Statistics, 1995, 26, 241-252.	0.6	0