

Maurizio Guida

List of Publications by Year in descending order

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Version: 2024-02-01

34
papers

1,159
citations

516710

16
h-index

454955

30
g-index

34
all docs

34
docs citations

34
times ranked

961
citing authors

#	ARTICLE	IF	CITATIONS
1	A crash-prediction model for multilane roads. <i>Accident Analysis and Prevention</i> , 2007, 39, 657-670.	5.7	287
2	A crash-prediction model for road tunnels. <i>Accident Analysis and Prevention</i> , 2013, 55, 107-115.	5.7	102
3	A mixed-Weibull regression model for the analysis of automotive warranty data. <i>Reliability Engineering and System Safety</i> , 2005, 87, 265-273.	8.9	87
4	Microsimulation Approach for Predicting Crashes at Unsignalized Intersections Using Traffic Conflicts. <i>Journal of Transportation Engineering</i> , 2012, 138, 1453-1467.	0.9	86
5	An age- and state-dependent Markov model for degradation processes. <i>IIE Transactions</i> , 2011, 43, 621-632.	2.1	81
6	A Bayesian analysis of fatigue data. <i>Structural Safety</i> , 2010, 32, 64-76.	5.3	71
7	A State-Dependent Wear Model With an Application to Marine Engine Cylinder Liners. <i>Technometrics</i> , 2010, 52, 172-187.	1.9	54
8	Comparison and analysis of road tunnel traffic accident frequencies and rates using random-parameter models. <i>Journal of Transportation Safety and Security</i> , 2016, 8, 177-195.	1.6	40
9	Perineal massage during labor: a systematic review and meta-analysis of randomized controlled trials. <i>Journal of Maternal-Fetal and Neonatal Medicine</i> , 2020, 33, 1051-1063.	1.5	34
10	A New Class of Markovian Processes for Deteriorating Units With State Dependent Increments and Covariates. <i>IEEE Transactions on Reliability</i> , 2015, 64, 562-578.	4.6	32
11	A continuous-state Markov model for age- and state-dependent degradation processes. <i>Structural Safety</i> , 2011, 33, 354-366.	5.3	27
12	A random-effects model for long-term degradation analysis of solid oxide fuel cells. <i>Reliability Engineering and System Safety</i> , 2015, 140, 88-98.	8.9	26
13	A condition-based maintenance policy for deteriorating units. An application to the cylinder liners of marine engine. <i>Applied Stochastic Models in Business and Industry</i> , 2015, 31, 339-348.	1.5	23
14	A gamma process model for the analysis of fatigue crack growth data. <i>Engineering Fracture Mechanics</i> , 2015, 142, 21-49.	4.3	21
15	Automotive reliability inference based on past data and technical knowledge. <i>Reliability Engineering and System Safety</i> , 2002, 76, 129-137.	8.9	20
16	A Wear Model for Assessing the Reliability of Cylinder Liners in Marine Diesel Engines. <i>IEEE Transactions on Reliability</i> , 2007, 56, 158-166.	4.6	19
17	Early inference on reliability of upgraded automotive components by using past data and technical information. <i>Journal of Statistical Planning and Inference</i> , 2009, 139, 1604-1618.	0.6	15
18	A New Bivariate Regression Model for the Simultaneous Analysis of Total and Severe Crashes Occurrence. <i>Journal of Transportation Safety and Security</i> , 2014, 6, 78-92.	1.6	15

#	ARTICLE	IF	CITATIONS
19	The transformed gamma process for degradation phenomena in presence of unexplained forms of unit-to-unit variability. <i>Quality and Reliability Engineering International</i> , 2018, 34, 543-562.	2.3	15
20	Bayesian analysis of repairable systems showing a bounded failure intensity. <i>Reliability Engineering and System Safety</i> , 2006, 91, 828-838.	8.9	14
21	Bayesian estimation and prediction for the transformed gamma degradation process. <i>Quality and Reliability Engineering International</i> , 2018, 34, 1315-1328.	2.3	13
22	Bayesian reliability assessment of repairable systems during multi-stage development programs. <i>IIE Transactions</i> , 2005, 37, 1071-1081.	2.1	11
23	A Bayesian bivariate hierarchical model with correlated parameters for the analysis of road crashes in Italian tunnels. <i>Statistical Methods and Applications</i> , 2022, 31, 109-131.	1.2	11
24	Estimation of probability tails based on generalized extreme value distributions. <i>Reliability Engineering and System Safety</i> , 1988, 20, 219-242.	8.9	9
25	Is Ritgen's maneuver associated with decreased perineal lacerations and pain at delivery?. <i>Journal of Maternal-Fetal and Neonatal Medicine</i> , 2020, 33, 3185-3192.	1.5	9
26	Performance Evaluation of IMS-Based Core Networks in Presence of Failures. , 2010, , .		8
27	Logarithmic transformations for extrapolative estimation of probability tails. <i>Reliability Engineering and System Safety</i> , 1989, 26, 119-133.	8.9	5
28	Reliability and survivability methodologies for next generation networks. , 2008, , .		5
29	Semi-Markov models for performance evaluation of failure-prone IP multimedia subsystem core networks. <i>Proceedings of the Institution of Mechanical Engineers, Part O: Journal of Risk and Reliability</i> , 2013, 227, 290-301.	0.7	5
30	A Bayesian approach for non-homogeneous gamma degradation processes. <i>Communications in Statistics - Theory and Methods</i> , 2019, 48, 1748-1765.	1.0	5
31	A parametric Markov chain to model age- and state-dependent wear processes. <i>Contributions To Statistics</i> , 2010, , 85-97.	0.2	4
32	Stochastic Processes for Modeling the Wear of Marine Engine Cylinder Liners. , 2009, , 213-230.		2
33	Hands-on vs hands-off technique for the prevention of perineal injury: a randomized clinical trial. <i>American Journal of Obstetrics & Gynecology MFM</i> , 2022, 4, 100675.	2.6	2
34	Bayesian Reliability Inference on Innovated Automotive Components. , 2009, , 193-211.		1