

# Bruno Castanier

## List of Publications by Year in descending order

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Version: 2024-02-01

32  
papers

908  
citations

706676

14  
h-index

759306

22  
g-index

33  
all docs

33  
docs citations

33  
times ranked

892  
citing authors

#	ARTICLE	IF	CITATIONS
1	Mitigating the effects of partial shading on PV system's performance through PV array reconfiguration: A review. <i>Thermal Science and Engineering Progress</i> , 2022, 31, 101280.	1.3	22
2	An investigation on maximum power extraction algorithms from PV systems with corresponding DC-DC converters. <i>Energy</i> , 2021, 224, 120092.	4.5	32
3	Optimization of PV array tilt angle for minimum levelized cost of energy. <i>Computers and Electrical Engineering</i> , 2021, 96, 107474.	3.0	14
4	A review on maintenance strategies for PV systems. <i>Science of the Total Environment</i> , 2020, 746, 141753.	3.9	33
5	Maintenance with Learning for a System Subject to Random Shocks and Degradation. , 2020, , .		0
6	A Perturbed Gamma Process with Random Effect and State-Dependent Error. , 2020, , .		0
7	Misspecification Analysis of a Gamma- with an Inverse Gaussian-based Degradation Model in the presence of Measurement Error. , 2020, , .		0
8	A dynamic programming-based maintenance model of offshore wind turbine considering logistic delay and weather condition. <i>Reliability Engineering and System Safety</i> , 2019, 190, 106512.	5.1	34
9	Modeling time and spatial variability of degradation through gamma processes for structural reliability assessment. <i>Structural Safety</i> , 2019, 76, 162-173.	2.8	16
10	A Condition-Based Deterioration Model for the Stochastic Dependency of Corrosion Rate and Crack Propagation in Corroded Concrete Structures. <i>Computer-Aided Civil and Infrastructure Engineering</i> , 2017, 32, 18-33.	6.3	21
11	A Two-Dimension Dynamic Bayesian Network for Large-Scale Degradation Modeling with an Application to a Bridges Network. <i>Computer-Aided Civil and Infrastructure Engineering</i> , 2017, 32, 641-656.	6.3	29
12	Acquisition of new technology information for maintenance and replacement policies. <i>International Journal of Production Research</i> , 2017, 55, 2212-2231.	4.9	10
13	A risk-oriented degradation model for maintenance of reinforced concrete structure subjected to cracking. <i>Proceedings of the Institution of Mechanical Engineers, Part O: Journal of Risk and Reliability</i> , 2016, 230, 521-530.	0.6	3
14	Integration approaches of forecasting methods selection with inventory management indicators in the case of spare parts supply chain. , 2014, , .		2
15	Integration of Maintenance in the Tactical Production Planning Process under Feasibility Constraint. <i>Lecture Notes in Computer Science</i> , 2014, , 467-474.	1.0	6
16	Maintaining a system subject to uncertain technological evolution. <i>Reliability Engineering and System Safety</i> , 2014, 128, 56-65.	5.1	6
17	Optimal maintenance and replacement decisions under technological change with consideration of spare parts inventories. <i>International Journal of Production Economics</i> , 2013, 143, 472-477.	5.1	37
18	Information acquisition of new technology performance for maintenance/investment decisions. , 2013, , .		0

#	ARTICLE	IF	CITATIONS
19	Environmental information adaptive condition-based maintenance policies. Structure and Infrastructure Engineering, 2012, 8, 373-382.	2.0	3
20	Application of a Bivariate Deterioration Model for a Pavement Management Optimization. Procedia, Social and Behavioral Sciences, 2012, 48, 196-204.	0.5	2
21	Optimal resurfacing decisions for road maintenance: A POMDP perspective. , 2011, , .		2
22	Constructive Heuristics for the Multicompartment Vehicle Routing Problem with Stochastic Demands. Transportation Science, 2011, 45, 346-363.	2.6	42
23	A memetic algorithm for the multi-compartment vehicle routing problem with stochastic demands. Computers and Operations Research, 2010, 37, 1886-1898.	2.4	137
24	Predictive maintenance policy for a gradually deteriorating system subject to stress. Reliability Engineering and System Safety, 2009, 94, 418-431.	5.1	98
25	Optimal highway maintenance policies under uncertainty. , 2008, , .		3
26	Maintenance policy for a non-stationary deteriorating system. , 2008, , .		2
27	Maintenance optimization for subsea oil pipelines. International Journal of Pressure Vessels and Piping, 2006, 83, 236-243.	1.2	29
28	A condition-based maintenance policy with non-periodic inspections for a two-unit series system. Reliability Engineering and System Safety, 2005, 87, 109-120.	5.1	210
29	A sequential condition-based repair/replacement policy with non-periodic inspections for a system subject to continuous wear. Applied Stochastic Models in Business and Industry, 2003, 19, 327-347.	0.9	103
30	A STOCHASTIC MODEL FOR HYBRID MAINTENANCE POLICIES EVALUATION AND OPTIMIZATION. International Journal of Reliability, Quality and Safety Engineering, 2001, 08, 233-248.	0.4	4
31	Material Based Fault Detection Methods for PV Systems. Key Engineering Materials, 0, 865, 111-115.	0.4	8
32	Un outil d'aide à la décision pour la planification des opérations de maintenance d'une éolienne offshore. , 0, , .		0