

# Nicolas Gayton

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/12053882/publications.pdf>

Version: 2024-02-01

10  
papers

328  
citations

1478505

6  
h-index

1372567

10  
g-index

12  
all docs

12  
docs citations

12  
times ranked

317  
citing authors

#	ARTICLE	IF	CITATIONS
1	AK-MCSI: A Kriging-based method to deal with small failure probabilities and time-consuming models. <i>Structural Safety</i> , 2018, 73, 1-11.	5.3	142
2	A statistical tolerance analysis approach for over-constrained mechanism based on optimization and Monte Carlo simulation. <i>CAD Computer Aided Design</i> , 2012, 44, 132-142.	2.7	71
3	AK-ILS: An Active learning method based on Kriging for the Inspection of Large Surfaces. <i>Precision Engineering</i> , 2013, 37, 1-9.	3.4	31
4	Reliability-based sensitivity estimators of rare event probability in the presence of distribution parameter uncertainty. <i>Reliability Engineering and System Safety</i> , 2018, 178, 164-178.	8.9	28
5	Evaluation of failure probability under parameter epistemic uncertainty: application to aerospace system reliability assessment. <i>Aerospace Science and Technology</i> , 2017, 69, 526-537.	4.8	25
6	Statistical tolerance analysis of a hyperstatic mechanism, using system reliability methods. <i>Computers and Industrial Engineering</i> , 2012, 63, 1118-1127.	6.3	13
7	APTA: advanced probability-based tolerance analysis of products. <i>Mecanique Et Industries</i> , 2011, 12, 71-85.	0.2	6
8	Statistical Tolerance Analysis Technique for Over-constrained Mechanical Systems. <i>Procedia CIRP</i> , 2018, 75, 232-237.	1.9	4
9	Tolerance Analysis - Key Characteristics Identification by Sensitivity Methods. <i>Procedia CIRP</i> , 2018, 75, 33-38.	1.9	3
10	Nonparametric Importance Sampling Techniques for Sensitivity Analysis and Reliability Assessment of a Launcher Stage Fallout. <i>Springer Optimization and Its Applications</i> , 2019, , 59-86.	0.9	2