Guesuk Lee

List of Publications by Year
in descending order

9 papers	**163** citations	1307594 **7** h-index	1474206 **9** g-index
10 all docs	**10** docs citations	**10** times ranked	**91** citing authors

#	Article	IF	Citations
1	A comparative study of statistical validation metrics with consideration of variance to address type II errors in statistical model validation. Structural and Multidisciplinary Optimization, 2022, 65, 1.	3.5	3
2	Estimation of fatigue crack initiation and growth in engineering product development using a digital twin approach. Reliability Engineering and System Safety, 2022, 226, 108721.	8.9	12
3	A new calibration metric that considers statistical correlation: Marginal Probability and Correlation Residuals. Reliability Engineering and System Safety, 2020, 195, 106677.	8.9	10
4	Industrial issues and solutions to statistical model improvement: a case study of an automobile steering column. Structural and Multidisciplinary Optimization, 2020, 61, 1739-1756.	3.5	14
5	Sequential optimization and uncertainty propagation method for efficient optimization-based model calibration. Structural and Multidisciplinary Optimization, 2019, 60, 1355-1372.	3.5	8
6	Review of statistical model calibration and validation—from the perspective of uncertainty structures. Structural and Multidisciplinary Optimization, 2019, 60, 1619-1644.	3.5	59
7	Uncertainty characterization under measurement errors using maximum likelihood estimation: cantilever beam end-to-end UQ test problem. Structural and Multidisciplinary Optimization, 2019, 59, 323-333.	3.5	6
8	Expectation-Maximization Method for Data-Based Estimation of the Cantilever Beam End-to-End Problem. , 2018, , .		1
9	Hierarchical model calibration for designing piezoelectric energy harvester in the presence of variability in material properties and geometry. Structural and Multidisciplinary Optimization, 2016, 53, 161-173.	3.5	37