

Armin Tabandeh

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8934617/publications.pdf>

Version: 2024-02-01

15
papers

628
citations

687220

13
h-index

996849

15
g-index

16
all docs

16
docs citations

16
times ranked

357
citing authors

#	ARTICLE	IF	CITATIONS
1	Resilience analysis: a mathematical formulation to model resilience of engineering systems. Sustainable and Resilient Infrastructure, 2018, 3, 49-67.	1.7	161
2	Regional resilience analysis: A multiscale approach to optimize the resilience of interdependent infrastructure. Computer-Aided Civil and Infrastructure Engineering, 2020, 35, 1315-1330.	6.3	90
3	A review and assessment of importance sampling methods for reliability analysis. Structural Safety, 2022, 97, 102216.	2.8	73
4	Modeling Time-varying Reliability and Resilience of Deteriorating Infrastructure. Reliability Engineering and System Safety, 2022, 217, 108074.	5.1	48
5	Probabilistic capacity models and fragility estimates for RC columns retrofitted with FRP composites. Engineering Structures, 2014, 74, 13-22.	2.6	41
6	Uncertainty propagation in risk and resilience analysis of hierarchical systems. Reliability Engineering and System Safety, 2022, 219, 108208.	5.1	39
7	A density extrapolation approach to estimate failure probabilities. Structural Safety, 2021, 93, 102128.	2.8	30
8	Empirical Bayes Approach for Developing Hierarchical Probabilistic Predictive Models and Its Application to the Seismic Reliability Analysis of FRP-Retrofitted RC Bridges. ASCE-ASME Journal of Risk and Uncertainty in Engineering Systems, Part A: Civil Engineering, 2015, 1, .	1.1	28
9	A Reliability-Based Capability Approach. Risk Analysis, 2018, 38, 410-424.	1.5	23
10	Seismic performance of precast segmental bridge columns repaired with CFRP wraps. Composite Structures, 2020, 243, 112218.	3.1	20
11	Societal Risk and Resilience Analysis: Dynamic Bayesian Network Formulation of a Capability Approach. ASCE-ASME Journal of Risk and Uncertainty in Engineering Systems, Part A: Civil Engineering, 2019, 5, .	1.1	18
12	Physics-based probabilistic models: Integrating differential equations and observational data. Structural Safety, 2020, 87, 101981.	2.8	18
13	The exact and approximate conditional spectra in the multi-seismic-sources regions. Soil Dynamics and Earthquake Engineering, 2012, 39, 61-77.	1.9	17
14	Physics-based probabilistic demand model and reliability analysis for reinforced concrete beams under blast loads. Engineering Structures, 2021, 248, 112932.	2.6	10
15	Nonlinear random vibration analysis: A Bayesian nonparametric approach. Probabilistic Engineering Mechanics, 2021, 66, 103163.	1.3	4