

Min Ouyang

List of Publications by Year in descending order

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47
papers

4,020
citations

201575

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233338

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g-index

47
all docs

47
docs citations

47
times ranked

2455
citing authors

#	ARTICLE	IF	CITATIONS
1	Resilience-driven repair sequencing decision under uncertainty for critical infrastructure systems. Reliability Engineering and System Safety, 2022, 221, 108378.	5.1	14
2	A multi- ϵ perspective framework for seismic retrofit optimization of urban infrastructure systems. Earthquake Engineering and Structural Dynamics, 2022, 51, 2771-2790.	2.5	2
3	A heuristic method to identify optimum seismic retrofit strategies for critical infrastructure systems. Computer-Aided Civil and Infrastructure Engineering, 2021, 36, 996-1012.	6.3	12
4	Time-varied accessibility and vulnerability analysis of integrated metro and high-speed rail systems. Reliability Engineering and System Safety, 2020, 193, 106622.	5.1	39
5	Effect of resource allocation to the recovery of scale-free networks during cascading failures. Physica A: Statistical Mechanics and Its Applications, 2020, 540, 123157.	1.2	16
6	Recovery-based seismic resilience enhancement strategies of water distribution networks. Reliability Engineering and System Safety, 2020, 203, 107088.	5.1	52
7	Lifecycle operational resilience assessment of urban water distribution networks. Reliability Engineering and System Safety, 2020, 198, 106859.	5.1	30
8	Worst-case vulnerability assessment and mitigation model of urban utility tunnels. Reliability Engineering and System Safety, 2020, 197, 106856.	5.1	16
9	Performance Analysis on Raster-based Modelling of Urban Streets. , 2020, , .		0
10	Influence of overloading on the reliability and critical components of networked critical infrastructures. Quality and Reliability Engineering International, 2019, 35, 711-731.	1.4	5
11	Simplified operation models of integrated power and gas systems for vulnerability analysis. Physica A: Statistical Mechanics and Its Applications, 2019, 531, 121428.	1.2	5
12	Spatiotemporal vulnerability analysis of railway systems with heterogeneous train flows. Transportation Research, Part A: Policy and Practice, 2019, 130, 725-744.	2.0	9
13	Value of resilience-based solutions on critical infrastructure protection: Comparing with robustness-based solutions. Reliability Engineering and System Safety, 2019, 190, 106506.	5.1	22
14	Vulnerability analysis of public transit systems from the perspective of urban residential communities. Reliability Engineering and System Safety, 2019, 189, 143-156.	5.1	25
15	Improving repair sequence scheduling methods for postdisaster critical infrastructure systems. Computer-Aided Civil and Infrastructure Engineering, 2019, 34, 506-522.	6.3	32
16	An integrated tri-level model for enhancing the resilience of facilities against intentional attacks. Annals of Operations Research, 2019, 283, 87-117.	2.6	28
17	Critical Infrastructure Vulnerability to Spatially Localized Failures with Applications to Chinese Railway System. Risk Analysis, 2019, 39, 180-194.	1.5	39
18	Vulnerability Mitigation of Multiple Spatially Localized Attacks on Critical Infrastructure Systems. Computer-Aided Civil and Infrastructure Engineering, 2018, 33, 585-601.	6.3	9

#	ARTICLE	IF	CITATIONS
19	A Mathematical Framework to Optimize Critical Infrastructure Resilience against Intentional Attacks. Computer-Aided Civil and Infrastructure Engineering, 2017, 32, 909-929.	6.3	92
20	Mitigating electric power system vulnerability to worst-case spatially localized attacks. Reliability Engineering and System Safety, 2017, 165, 144-154.	5.1	47
21	A mathematical framework to optimize resilience of interdependent critical infrastructure systems under spatially localized attacks. European Journal of Operational Research, 2017, 262, 1072-1084.	3.5	114
22	Pre-disaster investment decisions for strengthening the Chinese railway system under earthquakes. Transportation Research, Part E: Logistics and Transportation Review, 2017, 105, 39-59.	3.7	33
23	Vulnerability effects of passengers' intermodal transfer distance preference and subway expansion on complementary urban public transportation systems. Reliability Engineering and System Safety, 2017, 158, 58-72.	5.1	50
24	Critical location identification and vulnerability analysis of interdependent infrastructure systems under spatially localized attacks. Reliability Engineering and System Safety, 2016, 154, 106-116.	5.1	75
25	Vulnerability analysis of complementary transportation systems with applications to railway and airline systems in China. Reliability Engineering and System Safety, 2015, 142, 248-257.	5.1	68
26	Vulnerability assessment and mitigation for the Chinese railway system under floods. Reliability Engineering and System Safety, 2015, 137, 58-68.	5.1	113
27	Resilience assessment of interdependent infrastructure systems: With a focus on joint restoration modeling and analysis. Reliability Engineering and System Safety, 2015, 141, 74-82.	5.1	287
28	Does topological information matter for power grid vulnerability?. Chaos, 2014, 24, 043121.	1.0	6
29	Do topological models contribute to decision making on post-disaster electric power system restoration?. Chaos, 2014, 24, 043131.	1.0	12
30	Review on modeling and simulation of interdependent critical infrastructure systems. Reliability Engineering and System Safety, 2014, 121, 43-60.	5.1	820
31	Comparisons of complex network based models and real train flow model to analyze Chinese railway vulnerability. Reliability Engineering and System Safety, 2014, 123, 38-46.	5.1	73
32	Multi-dimensional hurricane resilience assessment of electric power systems. Structural Safety, 2014, 48, 15-24.	2.8	398
33	Comparisons of complex network based models and direct current power flow model to analyze power grid vulnerability under intentional attacks. Physica A: Statistical Mechanics and Its Applications, 2014, 403, 45-53.	1.2	37
34	Correlation analysis of different vulnerability metrics on power grids. Physica A: Statistical Mechanics and Its Applications, 2014, 396, 204-211.	1.2	45
35	Vulnerability analysis of interdependent infrastructure systems under edge attack strategies. Safety Science, 2013, 51, 328-337.	2.6	116
36	Comparisons of purely topological model, betweenness based model and direct current power flow model to analyze power grid vulnerability. Chaos, 2013, 23, 023114.	1.0	59

#	ARTICLE	IF	CITATIONS
37	Time-dependent resilience assessment and improvement of urban infrastructure systems. <i>Chaos</i> , 2012, 22, 033122.	1.0	186
38	A three-stage resilience analysis framework for urban infrastructure systems. <i>Structural Safety</i> , 2012, 36-37, 23-31.	2.8	549
39	An approach to design interface topologies across interdependent urban infrastructure systems. <i>Reliability Engineering and System Safety</i> , 2011, 96, 1462-1473.	5.1	79
40	Efficient Approach to Compute Generalized Interdependent Effects between Infrastructure Systems. <i>Journal of Computing in Civil Engineering</i> , 2011, 25, 394-406.	2.5	31
41	Resilience Modeling and Simulation of Smart Grids. , 2011, , .		6
42	STAMP-based analysis on the railway accident and accident spreading: Taking the Chinaâ€™Jiaoji railway accident for example. <i>Safety Science</i> , 2010, 48, 544-555.	2.6	125
43	Effects of redundant systems on controlling the disaster spreading in networks. <i>Simulation Modelling Practice and Theory</i> , 2009, 17, 390-397.	2.2	15
44	A methodological approach to analyze vulnerability of interdependent infrastructures. <i>Simulation Modelling Practice and Theory</i> , 2009, 17, 817-828.	2.2	168
45	Epidemic Spreading with Variant Infection Rates on Scale-Free Network. <i>Lecture Notes in Computer Science</i> , 2009, , 937-947.	1.0	2
46	Emergency response to disaster-struck scale-free network with redundant systems. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2008, 387, 4683-4691.	1.2	24
47	A vector partitioning approach to detecting community structure in complex networks. <i>Computers and Mathematics With Applications</i> , 2008, 55, 2746-2752.	1.4	35