

# Rui Pang

## List of Publications by Year in descending order

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26  
papers

781  
citations

566801

15  
h-index

610482

24  
g-index

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26  
docs citations

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times ranked

266  
citing authors

#	ARTICLE	IF	CITATIONS
1	Stochastic Dynamic Response Analysis and Probability Evaluation of Subway Station Considering Subjected to Stochastic Earthquake Excitation. <i>Journal of Earthquake and Tsunami</i> , 2022, 16, .	0.7	6
2	Dynamic Reliability Analysis of the Stability of the 3D Slope of a Rockfill Dam Based on the Copula Function and Generalized Probability Density Evolution Method. <i>International Journal of Geomechanics</i> , 2022, 22, .	1.3	7
3	Stochastic ground motion simulation and seismic damage performance assessment of a 3-D subway station structure based on stochastic dynamic and probabilistic analysis. <i>Tunnelling and Underground Space Technology</i> , 2022, 126, 104568.	3.0	16
4	3D slope reliability analysis based on the intelligent response surface methodology. <i>Bulletin of Engineering Geology and the Environment</i> , 2021, 80, 735-749.	1.6	26
5	Reliability Analysis of 3D Rockfill Dam Slope Stability Based on the Copula Function. <i>International Journal of Geomechanics</i> , 2021, 21, .	1.3	14
6	Seismic fragility analysis of high concrete faced rockfill dams based on plastic failure with support vector machine. <i>Soil Dynamics and Earthquake Engineering</i> , 2021, 144, 106587.	1.9	22
7	Stochastic dynamic response and seismic reliability analysis of nuclear power plant's vertical retaining wall based on plastic failure. <i>Structures</i> , 2021, 31, 513-539.	1.7	8
8	Seismic time-history response and system reliability analysis of slopes considering uncertainty of multi-parameters and earthquake excitations. <i>Computers and Geotechnics</i> , 2021, 136, 104245.	2.3	87
9	Role of strong motion duration on seismic responses of high concrete faced rockfill dams. <i>Structures</i> , 2021, 32, 1092-1102.	1.7	5
10	GPDEM-based stochastic seismic response analysis of high concrete-faced rockfill dam with spatial variability of rockfill properties based on plastic deformation. <i>Computers and Geotechnics</i> , 2021, 139, 104416.	2.3	24
11	Stochastic Dynamic Response Analysis of the 3D Slopes of Rockfill Dams Based on the Coupling Randomness of Strength Parameters and Seismic Ground Motion. <i>Mathematics</i> , 2021, 9, 3256.	1.1	3
12	Seismic stability reliability assessment of nuclear power plant's bank revetment considering unreinforced and reinforced situations. <i>Annals of Nuclear Energy</i> , 2020, 136, 107025.	0.9	8
13	Verification of stochastic seismic analysis method and seismic performance evaluation based on multi-indices for high CFRDs. <i>Engineering Geology</i> , 2020, 264, 105412.	2.9	84
14	Fragility analysis of high CFRDs subjected to mainshock-aftershock sequences based on plastic failure. <i>Engineering Structures</i> , 2020, 206, 110152.	2.6	90
15	Three-dimensional slope dynamic stability reliability assessment based on the probability density evolution method. <i>Soil Dynamics and Earthquake Engineering</i> , 2019, 120, 360-368.	1.9	35
16	Seismic performance assessment of high CFRDs based on fragility analysis. <i>Science China Technological Sciences</i> , 2019, 62, 635-648.	2.0	21
17	Seismic performance investigation of high CFRDs subjected to mainshock-aftershock sequences. <i>Soil Dynamics and Earthquake Engineering</i> , 2019, 116, 82-85.	1.9	24
18	Stochastic seismic performance assessment of high CFRDs based on generalized probability density evolution method. <i>Computers and Geotechnics</i> , 2018, 97, 233-245.	2.3	56

#	ARTICLE	IF	CITATIONS
19	Seismic reliability assessment of earth-rockfill dam slopes considering strain-softening of rockfill based on generalized probability density evolution method. <i>Soil Dynamics and Earthquake Engineering</i> , 2018, 107, 96-107.	1.9	55
20	Seismic fragility for high CFRDs based on deformation and damage index through incremental dynamic analysis. <i>Soil Dynamics and Earthquake Engineering</i> , 2018, 104, 432-436.	1.9	89
21	Response to the discussion on "Seismic reliability assessment of earth-rockfill dam slopes considering strain-softening of rockfill based on generalized probability density evolution method". <i>Soil Dynamics and Earthquake Engineering</i> , 2018, 115, 949-950.	1.9	2
22	Response to the discussion on "Seismic reliability assessment of earth-rockfill dam slopes considering strain-softening of rockfill based on generalized probability density evolution method". <i>Soil Dynamics and Earthquake Engineering</i> , 2018, 115, 947-948.	1.9	0
23	Seismic performance evaluation of high CFRD slopes subjected to near-fault ground motions based on generalized probability density evolution method. <i>Engineering Geology</i> , 2018, 246, 391-401.	2.9	51
24	Stochastic seismic response and stability reliability analysis of a vertical retaining wall in front of the pumping station of a nuclear power plant using the probability density evolution method. <i>Nuclear Engineering and Design</i> , 2018, 334, 110-120.	0.8	16
25	Influence of strong motion duration on the seismic performance of high CFRDs based on elastoplastic analysis. <i>Soil Dynamics and Earthquake Engineering</i> , 2018, 114, 438-447.	1.9	23
26	Slope system stability reliability analysis with multi-parameters using generalized probability density evolution method. <i>Bulletin of Engineering Geology and the Environment</i> , 0, , 1.	1.6	9