Takayuki Shuku

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/2751580/publications.pdf

Version: 2024-02-01

21 papers	328 citations	1040018 9 h-index	839512 18 g-index
22 all docs	22 docs citations	22 times ranked	205 citing authors

#	Article	IF	Citations
1	Challenges in data-driven site characterization. Georisk, 2022, 16, 114-126.	3.5	55
2	Benchmark examples for data-driven site characterisation. Georisk, 2022, 16, 599-621.	3.5	17
3	Data-driven model of the local wind field over two small lakes in JyvÃskylÃ, Finland. Meteorology and Atmospheric Physics, 2022, 134, 1.	2.0	1
4	Three-dimensional subsurface modeling using Geotechnical Lasso. Computers and Geotechnics, 2021, 133, 104068.	4.7	19
5	Soil Stratification and Spatial Variability Estimated Using Sparse Modeling and Gaussian Random Field Theory. ASCE-ASME Journal of Risk and Uncertainty in Engineering Systems, Part A: Civil Engineering, 2021, 7, .	1.7	7
6	OBSERVATION UPDATE OF MODEL PARAMETERS AND LIMIT STATE PROBABILITIES OF CONSOLIDATION SETTLEMENT PREDICTION USING PARTICLE FILTER. Journal of Japan Society of Civil Engineers Ser A2 (Applied Mechanics (AM)), 2021, 77, I_477-I_484.	0.1	1
7	Trend estimation and layer boundary detection in depth-dependent soil data using sparse Bayesian lasso. Computers and Geotechnics, 2020, 128, 103845.	4.7	17
8	Bayesian Updating of Model Parameters by Iterative Particle Filter with Importance Sampling. ASCE-ASME Journal of Risk and Uncertainty in Engineering Systems, Part A: Civil Engineering, 2020, 6, 04020007.	1.7	4
9	A new approach to prevent critical cardiac accidents in athletes by real-time electrocardiographic tele-monitoring system: Initial trial in full marathon. Journal of Cardiology Cases, 2019, 20, 35-38.	0.5	9
10	The effect of local wind field on water circulation and dispersion of imaginary tracers in two small connected lakes. Journal of Hydrology, 2019, 579, 124137.	5.4	4
11	An iterative Bayesian filtering framework for fast and automated calibration of DEM models. Computer Methods in Applied Mechanics and Engineering, 2019, 350, 268-294.	6.6	65
12	Prediction of long-term settlement and evaluation of pore water pressure using particle filter. Soils and Foundations, 2019, 59, 67-83.	3.1	9
13	Probabilistic calibration of discrete element simulations using the sequential quasi-Monte Carlo filter. Granular Matter, 2018, 20, 1.	2.2	43
14	Calibration of micromechanical parameters for DEM simulations by using the particle filter. EPJ Web of Conferences, 2017, 140, 12011.	0.3	4
15	INVERSE ANALYSIS OF CONSOLIDATION FOR ACCURATE PREDICTION OF HORIZONTAL DISPLACEMENT. Journal of Japan Society of Civil Engineers Ser A2 (Applied Mechanics (AM)), 2016, 72, I_97-I_107.	0.1	0
16	VALIDATION OF PARAMETER IDENTIFICATION METHOD ON PREDICTION FOR LONGTERM CONSOLIDATION BEHAVIOR. Journal of Japan Society of Civil Engineers Ser A2 (Applied Mechanics (AM)), 2016, 72, I_35-I_43.	0.1	0
17	Diagnosis of earth-fill dams by synthesised approach of sounding and surface wave method. Georisk, 2016, 10, 312-319.	3.5	13
18	Prediction of long-term settlement and accurate analysis of horizontal displacement based on model test results. Japanese Geotechnical Society Special Publication, 2016, 4, 115-118.	0.2	0

#	Article	IF	Citations
19	Prediction of Multidimensional Deformation Behavior Based on Observed Values. International Journal of Geomechanics, 2014, 14, 04014011.	2.7	2
20	Data assimilation using the particle filter for identifying the elastoâ€plastic material properties of geomaterials. International Journal for Numerical and Analytical Methods in Geomechanics, 2013, 37, 1642-1669.	3.3	27
21	Parameter identification for Cam-clay model in partial loading model tests using the particle filter. Soils and Foundations, 2012, 52, 279-298.	3.1	31