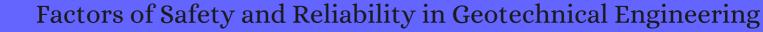
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#	Paper	IF	Citations
723	Reliability Analysis in Geotechnics with Deterministic Finite Elements T heoretical Concepts and Practical Application. 2001 , 1, 389-413		36
722	Bearing capacity of spatially random soil: the undrained clay Prandtl problem revisited. 2001 , 51, 351-35	59	188
721	Progressive Failure of Lined Waste Impoundments. <i>Journal of Geotechnical and Geoenvironmental Engineering - ASCE</i> , 2001 , 127, 841-848	3.4	63
720	Reliability Based Design of Buried Flexible Pipes. 2001 , 1		
719	Point-Estimate Method as Numerical Quadrature. <i>Journal of Geotechnical and Geoenvironmental Engineering - ASCE</i> , 2001 , 127, 102-103	3.4	
718	Uncertainties in rainfall-induced landslide hazard. 2002 , 35, 61-69		41
717	Probabilistic slope stability analysis for practice. 2002 , 39, 665-683		339
716	Probabilistic analysis of thaw penetration using global climate models in Fairbanks, Alaska. 2002 , 6, 217	'-228	
715	Reliability of state of practice for selection of shear strength parameters for waste containment system stability analyses. 2002 , 20, 241-262		14
714	A hierarchy of upper bounds on the response of stochastic systems with large variation of their properties: random variable case. 2003 , 18, 349-363		20
713	Direct assessment of structural resistance against pressurized fracture. 2003 , 27, 353-378		28
712	Probabilistic stability analysis of a tailings dyke on presheared clay?shale. 2003, 40, 192-208		88
711	Discussion of "Probabilistic slope stability analysis for practice". 2003 , 40, 848-850		16
710	Asset Management Framework for Geotechnical Infrastructure. 2003 , 9, 107-116		20
709	Neural network approach to model the limit state surface for reliability analysis. 2003, 40, 1235-1244		41
708	Engineering Tools for Design of Embankments on Deep Mixed Foundation Systems. 2004 , 850		1
707	Reliability Verification Using Proof Pile Load Tests. <i>Journal of Geotechnical and Geoenvironmental Engineering - ASCE</i> , 2004 , 130, 1203-1213	3.4	34

706	Reducing Uncertainty of Prediction from Empirical Correlations. <i>Journal of Geotechnical and Geoenvironmental Engineering - ASCE</i> , 2004 , 130, 526-534	63
705	Geotechnical survey and mechanical parameters in urban soils: modelling soil variability and inferring representative values using the extension of Lyon subway line D as a case study. 2004 , 41, 773-786	4
704	Reliability-Based Design for Internal Stability of Mechanically Stabilized Earth Walls. <i>Journal of Geotechnical and Geoenvironmental Engineering - ASCE</i> , 2004 , 130, 163-173	59
703	Probabilistic Slope Stability Analysis by Finite Elements. <i>Journal of Geotechnical and Geoenvironmental Engineering - ASCE</i> , 2004 , 130, 507-518	563
702	Reliability-based stability analysis considering GCL shear strength variability. 2004 , 11, 212-232	6
701	Effects of random heterogeneity of soil properties on bearing capacity. 2005 , 20, 324-341	168
700	Reliability analysis in geotechnics with the random set finite element method. 2005 , 32, 422-435	56
699	Reliability assessment of serviceability performance of braced retaining walls using a neural network approach. 2005 , 29, 627-642	44
698	LIMIT STATE EXCEEDANCE PROBABILITY OF REINFORCED SOIL RETAINING WALLS. 2005 , 2005, 792_119-792	_129
697	Assessment of characteristic shear strength parameters of soil and its implication in geotechnical design. 2005 , 1-15	1
696	Reliability-Based Design for External Stability of Mechanically Stabilized Earth Walls. 2005 , 5, 196-205	43
695	Vertical Loads on Concrete Box Culverts under High Embankments. 2005 , 10, 643-649	46
694	Discussion of Compaction Grouting Test Program for Liquefaction Controllby Eugene A. Miller and Glen A. Roycroft. <i>Journal of Geotechnical and Geoenvironmental Engineering - ASCE</i> , 2005 , 131, 1439-1439	O
693	Reliability measures for buried flexible pipes. 2005 , 42, 541-549	11
692	A generic approach to soilstructure interaction considering the effects of soil heterogeneity. 2005 , 55, 143-150	52
691	Reliability Analysis of Unsaturated Soil Slopes. <i>Journal of Geotechnical and Geoenvironmental Engineering - ASCE</i> , 2005 , 131, 1423-1428	43
690	Pile Spacing Effects on Lateral Pile Group Behavior: Analysis. <i>Journal of Geotechnical and Geoenvironmental Engineering - ASCE</i> , 2006 , 132, 1272-1283	72
689	Reliability analysis of the bearing capacity of a shallow foundation resting on cohesive soil. 2006 , 43, 217-223	49

688	Reliability Analysis of Deflection of Buried Flexible Pipes. 2006 , 132, 829-836	9
687	Stochastic stability analysis of a test excavation involving spatially variable subsoil. 2006 , 43, 1074-1087	7
686	Interface shear strength variability and its use in reliability-based landfill stability analysis. 2006, 13, 1-14	39
685	Soil variability analysis for geotechnical practice. 2006 ,	16
684	Reliability-Based Seismic Deformation Analysis of Reinforced Soil Slopes. 2006 , 46, 477-490	34
683	Generalizing the safety factor approach. 2006 , 91, 964-973	23
682	Reliability Based Assessment of Shallow Foundations Using Mathcad. 2006 , 24, 637-660	3
681	Reliability of Shallow Foundations Subjected to Multidirectional Seismic Loading. <i>Journal of Geotechnical and Geoenvironmental Engineering - ASCE</i> , 2006 , 132, 685-693	3
680	Reliability and Human Factors in Geotechnical Engineering. <i>Journal of Geotechnical and Geoenvironmental Engineering - ASCE</i> , 2006 , 132, 631-643	23
679	Mapping Liquefaction Potential Considering Spatial Correlations of CPT Measurements. <i>Journal of Geotechnical and Geoenvironmental Engineering - ASCE</i> , 2006 , 132, 1178-1187	29
678	The design principles of geosynthetics. 2007 , 3-18	
677	Probabilistic geotechnical analyses for offshore facilities. 2007 , 1, 21-42	13
676	Spatial variations in soil properties and their influence on structural reliability. 2007, 24, 73-83	12
675	ANN-based Reliability Analysis for Deep Excavation. 2007,	3
674	The role of nonlinear hardening/softening in probabilistic elasto-plasticity. 2007, 31, 953-975	11
673	Reliability analysis of allowable pressure on shallow foundation using response surface method. 2007 , 34, 187-194	63
672	Distribution and variability of interface shear strength and derived parameters. 2007, 25, 139-154	29
671	Simplified models for assessing annual liquefaction probability 🖺 case study of the Yuanlin area, Taiwan. 2007 , 90, 71-88	9

(2008-2007)

670	Analysis of stability of earthen dams in kachchh region, Gujarat, India. 2007 , 94, 123-136		12	
669	Probabilistic elasto-plasticity: formulation in 1D. 2007 , 2, 197-210		19	
668	Mapping susceptibility of rainfall-triggered shallow landslides using a probabilistic approach. 2008 , 55, 907-915		41	
66 ₇	Alternative approaches for analyses of a 100,000 m3 rock slide based on Barton B andis shear strength criterion. 2008 , 5, 161-176		33	
666	An analytical expression of reliability solution for Druker-Prager criterion. 2008 , 29, 121-128		4	
665	The probabilistic distinct element method. 2008 , 32, 559-577		2	
664	Principles of engineering safety: Risk and uncertainty reduction. 2008 , 93, 798-805		78	
663	Optimum design of cantilever sheet pile walls in sandy soils using inverse reliability approach. 2008 , 35, 134-143		42	
662	Reliability bounds through random sets: Non-parametric methods and geotechnical applications. 2008 , 86, 1093-1101		47	
661	Reliability analysis of reinforced soil walls under static and seismic forces. 2008 , 15, 246-257		33	
660	Reliability measures for pile foundations based on cone penetration test data. 2008, 45, 1699-1714		7	
659	Target reliability based design optimization of anchored cantilever sheet pile walls. 2008 , 45, 535-548		36	
658	Twenty-ninth Canadian Geotechnical Colloquium: The role of advanced numerical methods and geotechnical field measurements in understanding complex deep-seated rock slope failure mechanisms. 2008 , 45, 484-510		41	
657	A practical method for identifying parameters in the seismic design of embankments. 2008 , 2, 28-40		7	
656	Optimum Design of Cantilever Retaining Walls Using Target Reliability Approach. 2008 , 8, 240-252		64	
655	Reliability Analysis and Updating of Excavation-Induced Ground Settlement for Building Serviceability Assessment. <i>Journal of Geotechnical and Geoenvironmental Engineering - ASCE</i> , 2008 , 134, 1448-1458	3.4	65	
654	A Practical Application of Simplified Probabilistic Embankment Stability Analysis. 2008,			
653	Reliability Assessment of Basal-Heave Stability for Braced Excavations in Clay. <i>Journal of Geotechnical and Geoenvironmental Engineering - ASCE</i> , 2008 , 134, 145-153	3.4	25	

652	Load Resistance Factor Design of Axially Loaded Pile Based on Load Test Results. <i>Journal of Geotechnical and Geoenvironmental Engineering - ASCE</i> , 2008 , 134, 1106-1117	3.4	16
651	Refining shear strength characteristic value using experience. 2008 , 161, 247-257		5
650	Deterministic and reliability-based design: veneer cover soil stability. 2008, 15, 1-13		7
649	Risk and Safety in Technology. 2009 , 1069-1102		18
648	Evaluating Model Uncertainty of an SPT-based Simplified Method for Reliability Analysis for Probability of Liquefaction. 2009 , 49, 135-152		21
647	Reliability Analysis of Partial Safety Factor Design Method for Cantilever Retaining Walls in Granular Soils. <i>Journal of Geotechnical and Geoenvironmental Engineering - ASCE</i> , 2009 , 135, 616-622	3.4	17
646	Load and Resistance Factor Design (LRFD) Application for Auger Cast-in-Place (ACIP) and Drilled Displacement (DD) Piles. 2009 ,		1
645	Reliability Assessment of Damage Potential of Buildings Caused by Excavation. 2009,		
644	Forward and Backward Probabilistic Simulations in Geotechnical Engineering. 2009,		4
643	Incorporating Reliability Methods into Geotechnical Engineering Practice. 2009, 23, 130-131		
642	On the reliability of earth slopes in three dimensions. 2009 , 465, 3145-3164		44
641	Framework for probabilistic assessment of landslide: a case study of El Berrinche. 2009 , 59, 489-499		7
640	Shear strength of municipal solid waste for stability analyses. 2009 , 57, 1911-1923		55
639	Liquefaction potential index considering parameter uncertainties. 2009, 107, 55-60		26
638	Reliability analysis of soil liquefaction based on standard penetration test. 2009 , 36, 589-596		37
637	Effect of soil variability on the bearing capacity of clay and in slope stability problems. 2009, 108, 142-	152	69
636	Alluvial soils as subgrade material: Laboratory and statistical evaluation. 2009, 3, 232-239		1
635	Probabilistic Settlement Analysis by Stochastic and Random Finite-Element Methods. <i>Journal of Geotechnical and Geoenvironmental Engineering - ASCE</i> , 2009 , 135, 1629-1637	3.4	76

(2010-2009)

634	Influence of Spatial Variability on Slope Reliability Using 2-D Random Fields. <i>Journal of Geotechnical and Geoenvironmental Engineering - ASCE</i> , 2009 , 135, 1367-1378	301
633	Simplified Model for Evaluating Damage Potential of Buildings Adjacent to a Braced Excavation. <i>Journal of Geotechnical and Geoenvironmental Engineering - ASCE</i> , 2009 , 135, 1823-1835	58
632	Application of reliability analysis on seismic slope stability. 2009,	
631	Reliability analysis of soil nail walls. 2009 , 3, 44-54	23
630	Reliability-based design of deep foundations based on differential settlement criterion. 2009 , 46, 168-176	7
629	Deformation and stability regression models for soil nail walls. 2009 , 162, 213-223	4
628	Seismic reliability assessment of external stability of reinforced soil walls using pseudo-dynamic method. 2009 , 16, 197-215	34
627	Forensic Analysis of an Excavation Bracing System Failure. 2010 ,	
626	Soil nails field pullout testing: evaluation and applications. 2010 , 4, 13-21	10
625	A Practical Method to Account for Strength Variability of Deep-Mixed Ground. 2010,	11
624	Integrated Site Investigation for Craney Island Eastward Expansion, Portsmouth, Virginia. 2010,	О
623	Annual probability and return period of soil liquefaction in Yuanlin, Taiwan attributed to Chelungpu Fault and Changhua Fault. 2010 , 114, 343-353	4
622	Integral abutment bridge response under thermal loading. 2010 , 32, 1495-1508	42
621	Influence of heterogeneity on the reliability and failure of a long 3D slope. 2010 , 37, 948-955	113
620	Soil Permeability Controlled by Particle luid Interaction. 2010, 28, 851-864	18
619	Effect of spatial variability of cross-correlated soil properties on bearing capacity of strip footing. 2010 , 34, 1-26	97
618	Probabilistic yielding and cyclic behavior of geomaterials. 2010 , 34, 1541-1559	5
617	Reliability assessment of internal stability of reinforced soil structures: A pseudo-dynamic approach. 2010 , 30, 336-353	37

616	Comparison of different probabilistic methods for predicting stability of a slope in spatially variable claoil. 2010 , 37, 132-140		84
615	Influence of spatial variability of permeability property on steady state seepage flow and slope stability analysis. 2010 , 110, 93-101		117
614	Discussion of P robability and Risk of Slope Failurelby F. Silva, T. W. Lambe, and W. A. Marr. <i>Journal of Geotechnical and Geoenvironmental Engineering - ASCE</i> , 2010 , 136, 765-769	3.4	
613	Rational Three-Step Method for Optimizing Value of Civil Engineering Research. 2010 , 26, 48-53		1
612	Finite element reliability analysis of reinforced retaining walls. 2010 , 5, 187-197		13
611	Optimum Design of Bridge Abutments under Seismic Conditions: Reliability-Based Approach. 2010 , 15, 183-195		6
610	Reliability-Based Geotechnical Engineering. 2010 ,		2
609	Load and resistance factor design (LRFD) approach for the reliability-based seismic design of bridge abutments. 2010 , 4, 127-139		1
608	Theoretical Study on Pile Length Optimization of Pile Groups and Piled Rafts. <i>Journal of Geotechnical and Geoenvironmental Engineering - ASCE</i> , 2010 , 136, 319-330	3.4	53
607	Optimum Design for External Seismic Stability of Geosynthetic Reinforced Soil Walls: Reliability Based Approach. <i>Journal of Geotechnical and Geoenvironmental Engineering - ASCE</i> , 2010 , 136, 797-812	3.4	37
606	A Practical Approach to Assess Combined Levee Erosion, Seepage, and Slope Stability Failure Modes. 2010 ,		
605	Use of Reliability Methods as a Project Management Tool: The Cherry Island Landfill Expansion Project. 2010 ,		1
604	The Challenge of Designing a Port Terminal on a Compressible Spring, Craney Island Eastward Expansion, Portsmouth, Virginia. 2010 ,		О
603	Reliability Analysis of Earth Dams. <i>Journal of Geotechnical and Geoenvironmental Engineering - ASCE</i> , 2010 , 136, 995-998	3.4	23
602	LRFD of shallow foundations at the service limit state. 2010 , 4, 13-21		2
601	Slope investigation and safety assessment for Ningbo mountain provincial highway. 2011 ,		
600	Fully Probabilistic Framework for Evaluating Excavation-Induced Damage Potential of Adjacent Buildings. <i>Journal of Geotechnical and Geoenvironmental Engineering - ASCE</i> , 2011 , 137, 130-139	3.4	26
599	Practical reliability analysis of slope stability by advanced Monte Carlo simulations in a spreadsheet. 2011 , 48, 162-172		194

(2011-2011)

598	Pile Load Test and Implementation of Specifications of Load and Resistance Factor Design: Case Study of Caminada Bay Bridge Project in Louisiana. 2011 , 2212, 23-33		2
597	Reliability-based load and resistance factors for soil-nail walls. 2011 , 48, 915-930		25
596	Effect of Leachate Recirculation and Extent of Degradation on the Stability of Bioreactor Landfill Slopes. 2011 ,		1
595	Variability Analysis of Undrained Shear Strength for Reliability-Based Design. 2011,		
594	Risk models of slope excavations. 2011 , 25, 274-283		
593	Soil Uncertainty and Its Influence on Simulated G/Gmax and Damping Behavior. <i>Journal of Geotechnical and Geoenvironmental Engineering - ASCE</i> , 2011 , 137, 218-226	3.4	11
592	Performance Monitoring of Structures Founded on Coastal Plain Sediments in the SE United States. 2011 ,		O
591	Reliability analysis and design of cantilever RC retaining walls against sliding failure. 2011 , 5, 131-141		5
590	Static load test interpretation using the t-z model and LRFD resistance factors for auger cast-in-place (AC IP) and drilled displacement (DD) piles. 2011 , 5, 283-295		5
589	Deformation-Based Limit States for Earth Embankments. 2011,		3
588	Seismic reliability assessment of internal stability of reinforced soil walls using the pseudo-dynamic method. 2011 , 18, 221-241		34
587	Probabilistic Slope Stability Analysis As a Supplement to a Deterministic Study. 2011 ,		2
586	Owner Involvement@hoosing Risk Factors for Shallow Foundations. 2011,		1
585	Reliability Based Underseepage Analysis in Levees Using Monte Carlo Simulation. 2011,		3
584	Environmental risk management for a cross interchange subway station construction in China. 2011 , 26, 750-763		41
583	Probabilistic analysis of slope stability towards the slip by the kinematic method. 2011 , 21, 93-100		1
582	Probability of serviceability failure in a braced excavation in a spatially random field: Fuzzy finite element approach. 2011 , 38, 1031-1040		50
581	Uncertainty in seismic slope deformation model predictions. 2011 , 122, 61-72		40

580	Probabilistic evaluation of spatial distribution of secondary compression by using kriging estimates of geo-layers. 2011 , 122, 239-248	12
579	Probability-based method using RFEM for predicting wall deflection caused by excavation. 2011 , 12, 737-746	5
578	Uncertainty and Reliability Analysis Applied to Slope Stability: A Case Study From Sungun Copper Mine. 2011 , 29, 581-596	20
577	Reliability Based Earthquake Resistant Design for Internal Stability of Reinforced Soil Structures. 2011 , 29, 803-820	7
576	Probabilistic evaluation of soilfoundation tructure interaction effects on seismic structural response. 2011 , 40, 135-154	41
575	Using Computer Simulations to Take a Closer Look at Load and Resistance Factors for Designing Geosynthetic-Reinforced Walls. 2011 ,	
574	Reliability Based Approach to Quantify Montmorillonite Mineral in Expansive Clays. 2011,	
573	Reliability Based Performance Evaluation of Earth Retaining Structures. 2011,	1
57 ²	Efficiency of the Monte Carlo Simulation Method in Evaluation of Liquefaction Potential. 2011 , 261-263, 618-622	1
571	A Hoek B rown Criterion Based Reliability Analysis Method for Slope Stability and its Application. 2011 , 368-373, 2828-2834	
57°	Research for Slope Structural Reliability Based on Probability Theory. 2011 , 243-249, 5167-5170	
569	New Method of Reliability Analysis for Deep Tunnel. 2011 , 50-51, 864-868	1
568	Soil Spatial Variability and Structural Reliability of Buried Networks Subjected to Earthquakes. 2011 , 111-127	5
567	Evaluation of LRFD Resistance Factors and Risk for Mechanically Stabilized Earth Walls. 2011 ,	
566	Wall and Ground Responses in a Braced Excavation Considering Spatial Variability. 2011,	1
565	Learning to Live with Geohazards: From Research to Practice. 2011 ,	16
564	Monitoring and Reinforcement Technology of Passing Weak and Broken Rock Strata for Tunnel Boring Machine. 2012 , 204-208, 2819-2823	
563	Target reliability-based optimisation for internal seismic stability of reinforced soil structures. 2012 , 62, 55-68	40

(2012-2012)

562	Assessment of Parameter Uncertainty Associated with Dip Slope Stability Analyses as a Means to Improve Site Investigations. <i>Journal of Geotechnical and Geoenvironmental Engineering - ASCE</i> , 2012 , 138, 166-173	3.4	9
561	Evaluation of Bearing Capacity of Shallow Foundations Using Random Field Theory in Comparison to Classic Methods. 2012 ,		14
560	Video organization: Near-Duplicate Video clustering. 2012 ,		1
559	Reliability Study of Excavation Safety in Underground Space of Chen Clan Academy Square. 2012 , 226-228, 2308-2312		
558	Numerical modelling of landfill lining system waste interaction: implications of parameter variability. 2012 , 19, 393-408		28
557	Reliability assessment of stability of underground rock caverns. 2012 , 55, 157-163		60
556	Risk Assessment in Geotechnical Engineering: Stability Analysis of Highly Variable Soils. 2012,		5
555	A probabilistic evaluation of the size of earthquake induced slope failure for an embankment. 2012 , 6, 73-88		12
554	Particle Shape Estimates of Uniform Sands: Visual and Automated Methods Comparison. 2012 , 24, 194-	-206	28
553	Assessment of Slope Stability. 2012,		2
553 552	Assessment of Slope Stability. 2012, Load-displacement uncertainty of vertically loaded shallow footings on sands and effects on probabilistic settlement estimation. 2012, 6, 50-69		2 24
	Load-displacement uncertainty of vertically loaded shallow footings on sands and effects on	3.4	
552	Load-displacement uncertainty of vertically loaded shallow footings on sands and effects on probabilistic settlement estimation. 2012 , 6, 50-69 Design Methodology for Axially Loaded Auger Cast-in-Place and Drilled Displacement Piles. <i>Journal</i>	3.4	24
552 551	Load-displacement uncertainty of vertically loaded shallow footings on sands and effects on probabilistic settlement estimation. 2012 , 6, 50-69 Design Methodology for Axially Loaded Auger Cast-in-Place and Drilled Displacement Piles. <i>Journal of Geotechnical and Geoenvironmental Engineering - ASCE</i> , 2012 , 138, 1431-1441 Reliability of Spread Footing Performance in Desiccated Clay. <i>Journal of Geotechnical and</i>		10
552 551 550	Load-displacement uncertainty of vertically loaded shallow footings on sands and effects on probabilistic settlement estimation. 2012 , 6, 50-69 Design Methodology for Axially Loaded Auger Cast-in-Place and Drilled Displacement Piles. <i>Journal of Geotechnical and Geoenvironmental Engineering - ASCE</i> , 2012 , 138, 1431-1441 Reliability of Spread Footing Performance in Desiccated Clay. <i>Journal of Geotechnical and Geoenvironmental Engineering - ASCE</i> , 2012 , 138, 1314-1325 Stratified Response Surfaces for System Probabilistic Evaluation of Slopes. <i>Journal of Geotechnical</i>	3.4	241026
552 551 550 549	Load-displacement uncertainty of vertically loaded shallow footings on sands and effects on probabilistic settlement estimation. 2012, 6, 50-69 Design Methodology for Axially Loaded Auger Cast-in-Place and Drilled Displacement Piles. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2012, 138, 1431-1441 Reliability of Spread Footing Performance in Desiccated Clay. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2012, 138, 1314-1325 Stratified Response Surfaces for System Probabilistic Evaluation of Slopes. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2012, 138, 1398-1406	3.4	241026106
552 551 550 549 548	Load-displacement uncertainty of vertically loaded shallow footings on sands and effects on probabilistic settlement estimation. 2012, 6, 50-69 Design Methodology for Axially Loaded Auger Cast-in-Place and Drilled Displacement Piles. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2012, 138, 1431-1441 Reliability of Spread Footing Performance in Desiccated Clay. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2012, 138, 1314-1325 Stratified Response Surfaces for System Probabilistic Evaluation of Slopes. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2012, 138, 1398-1406 Reliability Coupled Sensitivity Based Design Approach for Gravity Retaining Walls. 2012, 93, 193-201 Spatial Variability Modelling of Geotechnical Parameters and Stability of Highly Weathered Rock	3.4	2410261064

544	A Capacitive Fringing Field Sensor Design for Moisture Measurement Based on Printed Circuit Board Technology. 2012 , 61, 1105-1112	75
543	The effects of soil spatial variability on the reliability of rigid buried pipes. 2012 , 43, 61-71	20
542	Assessment of geotechnical variability of Songdo silty clay. 2012, 133-134, 1-8	10
541	The evaluation of the probability of rock wedge failure using the point estimate method. 2012 , 65, 353-361	18
540	Finite Element and Reliability Analyses for Slope Stability of Subansiri Lower Hydroelectric Project: A Case Study. 2012 , 30, 233-252	10
539	Quantitative risk assessment of landslide by limit analysis and random fields. 2013 , 53, 60-67	126
538	Reliability Based LRFD Approach for External Stability of Reinforced Soil Walls. 2013, 43, 292-302	4
537	Probabilistic evaluation of primary consolidation settlement of Songdo New City by using kriged estimates of geologic profiles. 2013 , 8, 323-334	8
536	Confidence level-based robust design of cantilever retaining walls in sand. 2013 , 52, 16-27	9
535	Evaluation of SPT energy for Donut and Safety hammers using CPT measurements in Egypt. 2013 , 4, 701-708	2
534	Trivariate analysis of soil ranking-correlated characteristics and its application to probabilistic stability assessments in geotechnical engineering problems. 2013 , 53, 540-556	64
533	Probabilistic slope stability analysis by a copula-based sampling method. 2013 , 17, 739-755	38
532	The Practical Probability Analysis Methods for Stability of Landslide. 2013 , 423-426, 1308-1311	
531	Probabilistic Slope Stability Analysis: The Case Study of a Deposit Slope in Hydropower Reservoir. 2013 ,	3
530	Influence of estimation method of compression index on spatial distribution of consolidation settlement in Songdo New City. 2013 , 152, 172-179	5
529	Reliability Assessment of Reddish Brown Tropical Soil as a Liner Material. 2013 , 31, 35-45	2
528	Effect of anisotropic conductivity on suction and reliability index of unsaturated slope exposed to uniform antecedent rainfall. 2013 , 10, 15-22	17
527	Two-dimensional probabilistic infiltration analysis with a spatially varying permeability function. 2013 , 48, 249-259	57

526	Reliability approach to slope stability analysis with spatially correlated soilproperties. 2013, 53, 1-10	29
525	Statistical representation of design parameters for hurricane risk reduction structures. 2013 , 45, 36-47	
524	Probabilistic back analysis of slope failure 🖟 case study in Taiwan. 2013 , 51, 12-23	75
523	Reliability-based design of rock slopes [A new perspective on design robustness. 2013, 154, 56-63	63
522	Reliability based approach to tunnel lining design using a modified point estimate method. 2013 , 60, 263-276	44
521	Robust Geotechnical Design of Drilled Shafts in Sand: New Design Perspective. <i>Journal of Geotechnical and Geoenvironmental Engineering - ASCE</i> , 2013 , 139, 2007-2019	47
520	Uncertainties in Geotechnical Data. 2013 , 57-76	
519	Modelling of probability liquefaction based on standard penetration tests using the jointly distributed random variables method. 2013 , 158, 1-14	11
518	Slope Stability Then and Now. 2013 ,	4
517	Simplified uncertainties analysis of continuous buried steel pipes on an elastic foundation in the presence of low stiffness zones. 2013 , 48, 62-71	15
516	Testing Bias and Parametric Uncertainty in Analyses of A Slope Failure in San Francisco Bay Mud. 2013 ,	5
515	Approach for the use of MSW settlement predictions in the assessment of landfill capacity based on reliability analysis. 2013 , 33, 2029-34	5
514	Hybrid Monte Carlo simulation and ANFIS-subtractive clustering method for reliability analysis of the excavation damaged zone in underground spaces. 2013 , 54, 210-221	21
513	Reliability analysis based selection procedure for granular filters with respect to soil boiling condition. 2013 , 7, 193-198	1
512	Addressing some current challenges in ground improvement. 2013 , 166, 127-137	10
511	Reliability analysis of beams on random elastic foundations. 2013 , 63, 180-188	13
510	Rainfall Reliability Evaluation for Stability of Municipal Solid Waste Landfills on Slope. 2013 , 2013, 1-10	5
509	Security Reliability Analysis of Circulating Water Pump House Pit Excavation of Chen Jiagang Power Plant. 2013 , 353-356, 229-234	

508	Stability Analysis of an Earth Slope Based on Taylor Series Method. 2013 , 368-370, 1769-1773	О
507	A DT-SVM Strategy for Stock Futures Prediction with Big Data. 2013 ,	12
506	Revising a design course from a lecture approach to a project-based learning approach. 2013 , 38, 254-267	6
505	Using copulas to characterise the dependency of GCL shear strengths. 2013 , 20, 344-357	1
504	System reliability-based analysis of cantilever retaining walls embedded in granular soils. 2014 , 8, 192-201	4
503	Application of probabilistic methods to characterize soil variability and their effects on bearing capacity and settlement of shallow foundations: state of the art. 2014 , 8, 352-364	7
502	PROBABILISTIC ANALYSIS OF BEARING CAPACITY OF SHALLOW FOUNDATIONS USING THREE-DIMENSIONAL LIMIT ANALYSES. 2014 , 11, 1342008	14
501	Reliability of the Priebe method for estimating settlements. 2014 , 167, 108-121	3
500	Deterministic and Probabilistic Slope Stability Applied to a Landfill Slope. 2014 ,	
499	Risk-Factor-Based Analysis of Cantilever Sheet Pile Walls. 2014 ,	
499 498	Risk-Factor-Based Analysis of Cantilever Sheet Pile Walls. 2014 , Non-Probabilistic Reliability and Slope Stability Analysis. 2014 , 578-579, 1538-1541	
		1
498	Non-Probabilistic Reliability and Slope Stability Analysis. 2014 , 578-579, 1538-1541	1 2
498 497	Non-Probabilistic Reliability and Slope Stability Analysis. 2014 , 578-579, 1538-1541 Reliability-Based Evaluation of the Effects of Geometry on Levee Underseepage Potential. 2014 ,	
498 497 496	Non-Probabilistic Reliability and Slope Stability Analysis. 2014, 578-579, 1538-1541 Reliability-Based Evaluation of the Effects of Geometry on Levee Underseepage Potential. 2014, Reliability Analysis of Circular Tunnel Face Stability Obeying Hoek-Brown Failure Criterion. 2014, Comparative Study between Two Performance-Based Liquefaction Triggering Models for the Standard Penetration Test. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2014, 3-4	2
498 497 496 495	Non-Probabilistic Reliability and Slope Stability Analysis. 2014, 578-579, 1538-1541 Reliability-Based Evaluation of the Effects of Geometry on Levee Underseepage Potential. 2014, Reliability Analysis of Circular Tunnel Face Stability Obeying Hoek-Brown Failure Criterion. 2014, Comparative Study between Two Performance-Based Liquefaction Triggering Models for the Standard Penetration Test. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2014, 140, 04014010	5
498 497 496 495 494	Non-Probabilistic Reliability and Slope Stability Analysis. 2014, 578-579, 1538-1541 Reliability-Based Evaluation of the Effects of Geometry on Levee Underseepage Potential. 2014, Reliability Analysis of Circular Tunnel Face Stability Obeying Hoek-Brown Failure Criterion. 2014, Comparative Study between Two Performance-Based Liquefaction Triggering Models for the Standard Penetration Test. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2014, 140, 04014010 Application of a support vector machine for prediction of slope stability. 2014, 57, 2379-2386	2 5 16

(2014-2014)

490	Influence of Spatially Variable Geotechnical Properties of MSW on Stability of Landfill Slopes. 2014 , 18, 27-37	19
489	Impacts of hydrological heterogeneities on caprock mineral alteration and containment of CO2 in geological storage sites. 2014 , 24, 30-42	40
488	Probabilistic Critical Slip Surface for Earth Slopes Based on the First Order Reliability Method. 2014 , 44, 329-340	18
487	Robust design of rock slopes with multiple failure modes: modeling uncertainty of estimated parameter statistics with fuzzy number. 2014 , 72, 2957-2969	22
486	Influence of Random Heterogeneity of Cross-Correlated Strength Parameters on Bearing Capacity of Shallow Foundations. 2014 , 44, 427-435	16
485	Risk Factor Based Design of Cantilever Retaining Walls. 2014 , 32, 179-189	2
484	Robust geotechnical design of shield-driven tunnels. 2014 , 56, 191-201	45
483	Reliability-based load and resistance factor design approach for external seismic stability of reinforced soil walls. 2014 , 60, 8-21	8
482	The critical scale of fluctuation for active lateral forces in spatially variable undrained clays. 2014 , 57, 24-29	5
481	Reliability analysis of idealized tunnel support system using probability-based methods with case studies. 2014 , 6, 1-24	7
480	Determination and stability analysis of ultimate open-pit slope under geomechanical uncertainty. 2014 , 24, 105-110	11
479	The observational method applied to a high embankment founded on sulphide clay. 2014 , 181, 112-123	11
478	Simplified quantitative risk assessment of rainfall-induced landslides modelled by infinite slopes. 2014 , 179, 102-116	83
477	Role of Probabilistic Methods in Sustainable Geotechnical Slope Stability Analysis. 2014 , 9, 132-142	10
476	A Reliability-Based Evaluation of the Effects of Geometry on Levee Underseepage Potential. 2014 , 32, 807-820	4
475	Natural Variability of Shear Strength in a Granite Residual Soil from Porto. 2014 , 32, 911-922	9
474	Spatial Distribution Simulation of SPT-N Values. 2014 ,	
473	Fully Softened Shear Strength at Low Stresses for Levee and Embankment Design. <i>Journal of Geotechnical and Geoenvironmental Engineering - ASCE</i> , 2014 , 140, 06014010	21

472	Probabilistic slope stability analysis considering the variability of hydraulic conductivity under rainfall infiltrationEedistribution conditions. 2014 , 183, 1-13	40
471	Distribution of the factor of safety, in geotechnical engineering, for independent piecewise linear capacity and demand density functions. 2014 , 55, 440-447	2
470	Slope reliability analysis considering spatially variable shear strength parameters using a non-intrusive stochastic finite element method. 2014 , 168, 120-128	222
469	Gradient-based design robustness measure for robust geotechnical design. 2014 , 51, 1331-1342	37
468	Long embankment failure accounting for longitudinal spatial variation 🛭 probabilistic study. 2014 , 61, 50-56	21
467	Probabilistic slope stability analysis by risk aggregation. 2014 , 176, 57-65	52
466	Subsurface Exploration Statistics: A Snapshot of Design Risk Evaluation. 2014,	
465	Introduction to probability and quantitative assessment. 2014 , 129-203	1
464	Reliability analysis of rainfall induced slope instability of unsaturated soil slopes. 2014 , 1287-1293	4
463	Robust Geotechnical Design of Shield-Driven Tunnels Using Fuzzy Sets. 2014 ,	2
462	Quantitative Comparison of Direct Monte Carlo Simulation to Simplified Reliability Approaches for Evaluating the Stability of Unreinforced Slopes. 2015 ,	
461	The influence of experimental and sampling uncertainties on the probability of unsatisfactory performance in geotechnical applications. 2015 , 65, 897-910	20
460	Reliability-based Assessment of Stability of Slopes. 2015 , 26, 012006	4
459	Simplified approach for locating the critical probabilistic slip surface in limit equilibrium analysis. 2015 , 15, 2241-2256	7
458	Reliability Analysis of High Rockfill Dam Stability. 2015 , 2015, 1-8	8
457	Effect of Parameter Uncertainty on Factor of Safety Calculations in a Slope Stability Problem. 2015,	
456	New Database for Foundation and Ground Performance in Liquefaction Experiments. 2015 , 31, 2485-2509	11
455	Quantitative Risk Analysis of Linear Infrastructure: State of the Practice and Research Plan. 2015,	1

(2015-2015)

454	Finite element reliability analysis of shallow foundation settlements. 2015 , 9, 316-326	4
453	Geometric reliability analysis applied to wave overtopping of sea defences. 2015 , 109, 287-297	6
452	Probabilistic Assessment of Serviceability Limit State of Diaphragm Walls for Braced Excavation in Clays. 2015 , 1, 06015001	13
451	Cumulative PSO-Kriging model for slope reliability analysis. 2015 , 39, 39-45	26
450	Selection of site-specific regression model for characterization of uniaxial compressive strength of rock. 2015 , 75, 73-81	69
449	Rainfall characteristics for anisotropic conductivity of unsaturated soil slopes. 2015 , 73, 8669-8681	9
448	Stochastic assessment for the behaviour of systems of dry soil mix columns. 2015 , 66, 75-84	6
447	Quantifying uncertainty in Hoek B rown intact strength envelopes. 2015 , 74, 91-102	32
446	Probabilistic assessment of rock slope stability using response surfaces determined from finite element models of geometric realizations. 2015 , 69, 70-81	23
445	Contribution of engineering geology for the construction of a new museum gallery over an archaeological site at LorvB Monastery, Portugal. 2015 , 16, 922-927	1
444	Dry Soil Mixing for the Ballina Bypass Motorway Upgrade. 2015 , 267-289	
443	The Random Finite Element Method (RFEM) in Probabilistic Slope Stability Analysis with Consideration of Spatial Variability of Soil Properties. 2015 ,	7
442	Efficient 3-D reliability analysis of the 530m high abutment slope at Jinping I Hydropower Station during construction. 2015 , 195, 269-281	31
441	Analytical Slope Stability Analysis Based on Statistical Characterization of Soil Primary Properties. 2015 , 15, 06014018	5
440	Reliability-Based Analysis of Cantilever Sheet Pile Walls Backfilled with Different Soil Types Using the Finite-Element Approach. 2015 , 15, 06015001	26
439	Effects of the spatial variability of permeability on rainfall-induced landslides. 2015 , 192, 92-100	30
438	Assessment of remedial measures to reduce exceedance probability of performance limit states in embankment dams. 2015 , 67, 213-222	3
437	System reliability analysis of granular filter for protection against piping in dams. 2015 , 26, 012055	

436	Updating Soil Parameters Using Spreadsheet Method for Predicting Wall Deflections in Braced Excavations. 2015 , 33, 1489-1498		9
435	Development of fragility functions for slope instability analysis. 2015 , 12, 165-175		32
434	Probabilistic-based assessment of the bearing capacity of shallow foundations. 2015 , 8, 6441-6457		4
433	Robust Geotechnical Design of Earth Slopes Using Fuzzy Sets. <i>Journal of Geotechnical and Geoenvironmental Engineering - ASCE</i> , 2015 , 141, 04014084	3.4	41
432	Assessing the correlated performance functions of an engineering system via probabilistic analysis. 2015 , 52, 10-19		19
431	System probabilistic stability analysis of soil slopes using Gaussian process regression with Latin hypercube sampling. 2015 , 63, 13-25		139
430	Deformation-Based Limit State Analysis of Embankment Dams Including Geometry and Water Level Effects. 2015 , 15, 04014086		5
429	Effect of Spatial Variability of Soil Properties on Slope Reliability Using Random Finite Element and First Order Second Moment Methods. 2015 , 45, 145-155		7
428	Effect of Fully Grouted Passive Bolts on Joint Shear Strength Parameters in a Blocky Mass. 2015 , 48, 1197-1206		35
427	Uncertainty of Model Parameters in PSDDF for Coastal Restoration. 2016,		
427 426	Uncertainty of Model Parameters in PSDDF for Coastal Restoration. 2016 , Geomorphological control on variably saturated hillslope hydrology and slope instability. 2016 , 52, 4590	-4607	′ 13
		-4607	7 13
426	Geomorphological control on variably saturated hillslope hydrology and slope instability. 2016 , 52, 4590. Calibration of characteristic values of soil properties using the random finite element method.	-4607	
426 425	Geomorphological control on variably saturated hillslope hydrology and slope instability. 2016 , 52, 4590. Calibration of characteristic values of soil properties using the random finite element method. 2016 , 16, 112-124 Settlement predictions of footings on sands using probabilistic analysis. 2016 , 8, 198-203 Assessment of Slope Stability in the Monitoring Parameter Space. <i>Journal of Geotechnical and</i>	- 460 7	3
426 425 424	Geomorphological control on variably saturated hillslope hydrology and slope instability. 2016 , 52, 4590. Calibration of characteristic values of soil properties using the random finite element method. 2016 , 16, 112-124 Settlement predictions of footings on sands using probabilistic analysis. 2016 , 8, 198-203 Assessment of Slope Stability in the Monitoring Parameter Space. <i>Journal of Geotechnical and</i>		3
426 425 424 423	Geomorphological control on variably saturated hillslope hydrology and slope instability. 2016 , 52, 4590. Calibration of characteristic values of soil properties using the random finite element method. 2016 , 16, 112-124 Settlement predictions of footings on sands using probabilistic analysis. 2016 , 8, 198-203 Assessment of Slope Stability in the Monitoring Parameter Space. <i>Journal of Geotechnical and Geoenvironmental Engineering - ASCE</i> , 2016 , 142, 04016029		3 10 13
426 425 424 423 422	Geomorphological control on variably saturated hillslope hydrology and slope instability. 2016 , 52, 4590. Calibration of characteristic values of soil properties using the random finite element method. 2016 , 16, 112-124 Settlement predictions of footings on sands using probabilistic analysis. 2016 , 8, 198-203 Assessment of Slope Stability in the Monitoring Parameter Space. <i>Journal of Geotechnical and Geoenvironmental Engineering - ASCE</i> , 2016 , 142, 04016029 Probabilistic stability analysis of simple reinforced slopes by finite element method. 2016 , 77, 45-55 Piezocone-based prediction of secondary compression settlements of coastal defence structures		3 10 13 49

418	Optimum Tensile Strength of Geomembrane Liner for V-Shaped Anchor Trenches Using Target Reliability Approach. 2016 , 34, 1995-2018	3
417	Probabilistic Assessment of Fill Slope Stability. 2016 ,	
416	How is the accuracy of outputs assessed?. 2016 , 183-197	
415	Reliability analysis of geosynthetic-reinforced steep slopes. 2016 , 23, 301-315	26
414	Computation of the Probabilistic Critical Centers and Reliability Indices of MSW Landfill Slopes Using the Spencer Method of Slices. 2016 ,	
413	Reliability analysis of slopes in strain-softening soils considering critical slip surfaces. 2016 , 1, 1	8
412	The Influence of Random Confining Layer Thickness on Levee Seepage Analysis. 2016,	
411	Significance of the uncertainty level for the modeling of ground deformation ranges. 2016 , 83, 140-148	10
410	Probabilistic Assessment of Randomly Heterogeneous Soil Slopes. 2016 , 299-327	
409	Assessment of roof stability in a room and pillar coal mine in the U.S. using three-dimensional distinct element method. 2016 , 59, 24-37	39
408	Reliability Analysis of Circular Tunnel Face Stability Obeying Hoek B rown Failure Criterion Considering Different Distribution Types and Correlation Structures. 2016 , 30, 04014126	34
407	Methodology for quantitative landslide risk analysis in residential projects. 2016 , 53, 403-412	7
406	Design of Geostructural Systems. 2016 , 2, 04015017	11
405	Application of continuous normal-lognormal bivariate density functions in a sensitivity analysis of municipal solid waste landfill. 2016 , 55, 141-53	4
404	Multivariate approach in reliability-based design of a sheet pile wall. 2016 , 7, 1-12	6
403	Multivariate stability assessment during staged construction. 2016 , 53, 603-618	9
402	Geotechnical Design Considerations for Onshore Wind Turbine Shallow Foundations. 2016,	2
401	Reliability Coupled Sensitivity-Based Seismic Analysis of Gravity Retaining Wall Using Pseudostatic Approach. <i>Journal of Geotechnical and Geoenvironmental Engineering - ASCE</i> , 2016 , 142, 04016010	9

400	An efficient quasi-Newton approximation-based SORM to estimate the reliability of geotechnical problems. 2016 , 76, 33-42	7
399	Geotechnical Properties of Soils Fundamentals. 2016 , 11-50	1
398	Wave-induced oscillatory response in a randomly heterogeneous porous seabed. 2016 , 111, 116-127	21
397	Response surface methods for slope reliability analysis: Review and comparison. 2016 , 203, 3-14	135
396	Rainfall infiltration in a landslide soil deposit: Importance of inverse particle segregation. 2016 , 205, 116-132	19
395	The effect of soil type on matric suction and stability of unsaturated slope under uniform rainfall. 2016 , 20, 1294-1299	17
394	Deformation Characteristics and Control Techniques at the Shiziping Earth Core Rockfill Dam. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2016, 142, 04015069 3-4	8
393	Analysis of resistance factors for LFRD of soil nail walls against external stability failures. 2017 , 12, 157-169	19
392	On the efficient estimation of small failure probability in slopes. 2017 , 14, 491-498	39
391	Stabilization of fly ash and lime sludge composites: Assessment of its performance as base course material. 2017 , 17, 475-485	23
390	Mass-wasting effects induced by the 2015 Gorkha (Nepal) Mw 7.8 earthquake within a large paleo-landslide site adjacent to the Tatopani Border Station, Nepal: implications for future development along the critical Bhote Koshi River valley transport corridor between Nepal and China. 2017, 14, 1147-1160	11
389	Field scale hydraulic conductivity and compressibility of organic clays. 2017 , 220, 52-64	6
388	A novel risk assessment method for landfill slope failure: Case study application for Bhalswa Dumpsite, India. 2017 , 35, 220-227	13
387	Probabilistic stability analyses of undrained slopes with linearly increasing mean strength. 2017 , 67, 733-746	35
386	High resolution sedimentological and geotechnical characterization of the Late Quaternary deposits in the Italian central Adriatic coast (Tronto River mouth). 2017 , 220, 219-233	3
385	Robust LRFD Resistance Factor Calibration for Axially Loaded Drilled Shafts in Las Vegas. <i>Journal of Geotechnical and Geoenvironmental Engineering - ASCE</i> , 2017 , 143, 06017004	4
384	Interpretation of shear strength uncertainty and reliability analyses of slopes. 2017, 14, 2059-2072	10
383	Revisiting classical design in engineering from a perspective of frugality. 2017 , 3, e00299	11

(2017-2017)

382	Probabilistic Analyses of Slopes and Footings with Spatially Variable Soils Considering Cross-Correlation and Conditioned Random Field. <i>Journal of Geotechnical and Geoenvironmental Engineering - ASCE</i> , 2017 , 143, 04017044	3.4	31
381	Hazard Quantification of Seismically Induced Tsunamigenic Subaerial/Submarine Mass Movements. 2017 ,		
380	Probabilistic Slope Stability Analyses & Case Study. 2017,		1
379	A one-dimensional integral approach to calculating the failure probability of geotechnical engineering structures. 2017 , 90, 85-95		5
378	Reliability Analysis of Excavation Induced Basal Heave. 2017 , 35, 2705-2714		6
377	Geotechnical Perspectives of Project Success Concerning Residential Clients on Challenging Building Sites. 2017 , 31, 02516001		
376	A Simple Reliability-Based Procedure for Seismic Geotechnical Design. 2017,		
375	An Analytical Approach of Geotechnical Reliability-Based Design and Its Application. 2017,		1
374	Probabilistic Design of Slopes in Normally Consolidated Clays. 2017,		
373	Probabilistic Slope Stability Analyses: Effects of the Coefficient of Variation and the Cross-Correlation of Shear Strength Parameters. 2017 ,		3
372	Municipal Solid Waste Slope Stability Modeling: A Probabilistic Approach. <i>Journal of Geotechnical and Geoenvironmental Engineering - ASCE</i> , 2017 , 143, 04017035	3.4	14
371	Two-Dimensional Stability Assessment of Rock Slopes Based on Random Field. 2017 , 17, 04016155		20
370	Influence of spatially random soil on lateral thrust and failure surface in earth retaining walls. 2017 , 11, 247-256		5
369	A Comparison of Traditional, Step-Path, and Geostatistical Techniques in the Stability Analysis of a Large Open Pit. 2017 , 50, 927-949		7
368	Statistical interpretation of soil property profiles from sparse data using Bayesian compressive sampling. 2017 , 67, 523-536		92
367	Pre-Alarm System Based on Real-Time Monitoring and Numerical Simulation Using Internet of Things and Cloud Computing for Tailings Dam in Mines. 2017 , 5, 21080-21089		46
366	Monitoring and Modeling of Peat Decomposition in Sacramento Delta Levees. 2017,		
365	Analytical study of the causes of the major landslide of Bukit Antarabangsa in 2008 using fault tree analysis. 2017 , 2, 1		1

Impact of Hydrological and Mechanical Correlations on the Reliability of Vegetated Slopes. 2017, 3, 04017029 5 364 Determining optimum number of geotechnical testing samples using Monte Carlo simulations. 363 **2017**, 10, 1 System reliability analysis of soil slopes stabilized with piles. 2017, 229, 45-52 362 44 A probabilistic study on the geometrical design of gravity retaining walls. 2017, 14, 414-422 361 360 Selecting Minimum Factors of Safety for 3D Slope Stability Analyses. 2017, 2 Landslide of Highland Towers 1993: a case study of Malaysia. 2017, 2, 1 359 The first William Selim Hanna honor lecture from failure to success: lessons from geotechnical 358 1 failures. 2017, 2, 1 Displacement-Dependent Earth Pressures on Rigid Retaining Walls with Compressible Geofoam 357 32 Inclusions: Physical Modeling and Analytical Solutions. 2017, 17, 04016132 Probabilistic analysis of suction in homogeneously vegetated soils. 2017, 149, 394-401 356 21 Landslide hazard assessment and judgment of reliability: a geomechanical approach. 2017, 76, 397-412 8 355 Quantification of Prior Knowledge Through Subjective Probability Assessment. 2017, 63-96 354 The need for judgement in geotechnical reliability studies. 2017, 11, 70-74 353 5 Effect of spatial variability of shear strength on reliability of infinite slopes using analytical 28 352 approach. 2017, 81, 77-86 Theory and calibration of the Pierre 2 stochastic rock fall dynamics simulation program. 2017, 54, 18-30 8 351 Mean Parametric Monte Carlo Study of Fill Slopes. 2017, 17, 04016105 6 350 Corrosion and capacity prediction of marine steel infrastructure under a changing environment. 349 13 2017, 13, 988-1001 Probabilistic analysis of simple slopes with cohesive soil strength using RLEM and RFEM. 2017, 11, 231-246 348 32 Reliability Analysis of Soil Nail Walls against External Failures in Layered Ground. Journal of 16 3.4 Geotechnical and Geoenvironmental Engineering - ASCE, **2017**, 143, 04016077

346	Seismic reliability-based analysis and GIS mapping of cyclic mobility of clayey soils of Mumbai city, India. 2017 , 85, 139-169	3
345	Weathered Zone Effects: Central and Eastern North American Site Response. 2017,	
344	Chapter 7 Engineering investigation and assessment. 2017 , 28, 741-830	4
343	Interval Non-Probabilistic Reliability of a Surrounding Jointed Rockmass in Underground Engineering: A Case Study. 2017 , 5, 18804-18817	21
342	Physically Based Susceptibility Assessment of Rainfall-Induced Shallow Landslides Using a Fuzzy Point Estimate Method. 2017 , 9, 487	11
341	Theoretical and Case Studies of Interval Nonprobabilistic Reliability for Tailing Dam Stability. 2017 , 2017, 1-11	11
340	Evaluation of the stability of a highway slope through numerical modeling. 2017, 84, 121-128	1
339	Improved plane layout of stabilizing piles based on the piecewise function expression of the irregular driving force. 2018 , 15, 871-881	8
338	Liquefaction maps in Babol City, Iran through probabilistic and deterministic approaches. 2018, 5,	3
337	Deterministic and probabilistic stability analysis of a mining rock slope in the vicinity of a major public road Lase study of the LAB Chrysotile mine in Canada. 2018 , 55, 1391-1404	4
336	Reliability Assessment of Slopes Considering Sampling Influence and Spatial Variability by Sobol Sensitivity Index. <i>Journal of Geotechnical and Geoenvironmental Engineering - ASCE</i> , 2018 , 144, 04018010 ³⁻⁴	10
335	Optimal reliability based design of V-shaped anchor trenches for MSW landfills. 2018 , 25, 200-214	3
334	Reliability Analysis of Retaining Walls Subjected to Blast Loading by Finite Element Approach. 2018 , 99, 95-102	1
333	Reliability Based LRFD of Geomembrane Liners for V-Shaped Anchor Trenches of MSW Landfills. 2018 , 4, 1	1
332	Embankment prediction using testing data and monitored behaviour: A Bayesian updating approach. 2018 , 93, 150-162	28
331	Permafrost geotechnical index property variation and its effect on thermal conductivity calculations. 2018 , 148, 63-76	
330	Factors and Margins of Safety. 2018 , 87-114	
329	Robust design and optimization procedure for piled-raft foundation to support tall wind turbine in clay and sand. 2018 , 58, 744-755	10

328	Liquefaction potential assessment of Guwahati city using first-order second-moment method. 2018 , 3, 1	5
327	Fragility analysis of gray iron pipelines subjected to tunneling induced ground settlement. 2018 , 76, 133-144	32
326	Finite elements analysis of an underground collector installed by pipe-jacking method. 2018 , 12, 66-75	1
325	Optimising geotechnical data for analysis of levee resilience. 2018 , 171, 90-101	O
324	The BIM-enabled geotechnical information management of a construction project. 2018, 100, 47-63	7
323	Reliability Based Pseudo-Dynamic Analysis of Gravity Retaining Walls. 2018 , 48, 575-584	3
322	A New Dam Reliability Analysis Considering Fluid Structure Interaction. 2018 , 51, 2505-2516	3
321	Reliability analysis of slopes using UD-based response surface methods combined with LASSO. 2018 , 233, 111-123	23
320	Reliability assessment of bioreactor landfills using Monte Carlo simulation and coupled hydro-bio-mechanical model. 2018 , 72, 329-338	20
319	Lane Marking Quality Assessment for Autonomous Driving. 2018,	6
318		
	Study of stability against deep sliding of gravity dam based on JC method. 2018 , 38, 03045	
317	First order reliability method on soil strength parameters estimation and stability analysis. 2018 , 10, 120-128	
	First order reliability method on soil strength parameters estimation and stability analysis. 2018 ,	3
317	First order reliability method on soil strength parameters estimation and stability analysis. 2018 , 10, 120-128 Comparison of Point Estimate and Monte Carlo probabilistic methods in stability analysis of a deep	3
317 316	First order reliability method on soil strength parameters estimation and stability analysis. 2018, 10, 120-128 Comparison of Point Estimate and Monte Carlo probabilistic methods in stability analysis of a deep excavation. 2018, 9, 1	3
317 316 315	First order reliability method on soil strength parameters estimation and stability analysis. 2018, 10, 120-128 Comparison of Point Estimate and Monte Carlo probabilistic methods in stability analysis of a deep excavation. 2018, 9, 1 Probabilistic Assessment of Bored Pile Wall: A Slope Stabilisation Technique. 2018, 203, 04006	
317 316 315 314	First order reliability method on soil strength parameters estimation and stability analysis. 2018, 10, 120-128 Comparison of Point Estimate and Monte Carlo probabilistic methods in stability analysis of a deep excavation. 2018, 9, 1 Probabilistic Assessment of Bored Pile Wall: A Slope Stabilisation Technique. 2018, 203, 04006 Reliability Assessment of Tunnel Based on P - Wave Seismic Velocity. 2018, 18, 06018030 Probabilistic analysis and resistance factor calibration for deep foundation design using Monte	

310	Probabilistic Analysis Applied to Rock Slope Stability: A Case Study From Northeast Turkey. 2018, 221-261	3
309	Probability analysis of submarine landslides based on the Response Surface Method: A case study from the South China Sea. 2018 , 78, 167-179	8
308	Identification of shear strength and seismic coefficient by back analyzing surficial slides in the 2004 Mid-Niigata prefecture earthquake. 2018 , 15, 2255-2266	3
307	Quantifying Geotechnical Probability of Failure Asimpler Approach. 2018,	
306	SoilEtructure interaction analysis in natural heterogeneous deposits using random field theory. 2018 , 3, 1	10
305	Reliability sensitivity analysis of geotechnical monitoring variables using Bayesian updating. 2018 , 245, 130-140	12
304	A Probabilistic Approach to the Stability of a Dam under Rapid Drawdown Conditions. 2018,	
303	Investigation of landslide failure mechanisms adjacent to lignite mining operations in North Bohemia (Czech Republic) through a limit equilibrium/finite element modelling approach. 2018 , 320, 142-153	11
302	Probabilistic design optimization and simplified geotechnical risk analysis for large open pit excavations. 2018 , 103, 153-164	17
301	Reliability analysis of deep excavations by RS and MCS methods: case study. 2018 , 3, 1	3
300	Hazard-dependent soil factors for site-specific elastic acceleration response spectra of Italian and European seismic building codes. 2018 , 16, 5769-5800	9
299	Longitudinal Sliding Event during Excavation of Feng-Qi Station of Hangzhou Metro Line 1: Postfailure Investigation. 2018 , 32, 04018039	40
298	A Reliability Study of a Pile Foundation Design in Soft Soils. 2018 , 675-683	1
297	Reliability-Based Assessment of Internal Stability for MSE Walls in Heavy Haul Railway. 2018 , 580-589	
296	Reliability-Based Analysis of Segmental Linings for Underwater Shield Tunnels. 2018, 486-495	
295	Bibliography. 2018 , 177-203	
294	Prediction of Slope Stability Using Four Supervised Learning Methods. 2018 , 6, 31169-31179	30
293	Influence of slope property variabilities on seismic sliding displacement analysis. 2018 , 242, 121-129	16

Reliability Analysis of Foundation Systems Supported on Clay Subgrades of Different Strengths: A Finite Element Approach. **2018**,

291	Application of Reliability Analyses for Serviceability Design of Column-Supported Embankments. 2018 ,	
290	Assessment of reliability-based design of stable slopes. 2019 , 56, 495-504	9
289	A combination of artificial bee colony and neural network for approximating the safety factor of retaining walls. 2019 , 35, 647-658	58
288	Reliability Assessment of Bearing Capacity of CementIron Ore Tailing Blend Black Cotton Soil for Strip Foundations. 2019 , 37, 915-929	2
287	Buckling Uncertainty Analysis for Steel Pipelines Buried in Elastic Soil Using FOSM and MCS Methods. 2019 , 19, 381-397	5
286	Numerical simulation of the undrained stability of slopes in anisotropic fine-grained soils. 2019 , 14, 18-29	4
285	Reliability Evaluation of Hydraulic Conductivity Characteristics of Waste Wood Ash Treated Lateritic Soil. 2019 , 37, 533-547	5
284	Stability and characterisation of spoil heaps in European surface lignite mines: a state-of-the-art review in light of new data. 2019 , 78, 1	10
283	Point estimation method: Validation, efficiency improvement, and application to embankment slope stability reliability analysis. 2019 , 263, 105232	12
282	Variability and Bias in Undrained Shear Strength from Different Sampling and Testing Methods. <i>Journal of Geotechnical and Geoenvironmental Engineering - ASCE</i> , 2019 , 145, 04019082	3
281	Statistical Analyses of Model Factors in Reliability-Based Limit-State Design of Drilled Shafts under Axial Loading. <i>Journal of Geotechnical and Geoenvironmental Engineering - ASCE</i> , 2019 , 145, 04019042 3-4	7
280	Relative influence of strength and geometric parameters on the behavior of jointed rock slopes. 2019 , 12, 1	1
279	Experimental Study on Variation Law and Mechanism of Soil Shear Strength Parameters along the Slope. 2019 , 2019, 1-11	1
278	Probabilistic analysis of post-failure behavior of soil slopes using random smoothed particle hydrodynamics. 2019 , 261, 105266	21
277	Variance-based determination of dominant model parameters for sand migration in homogeneous gas hydrate-bearing reservoir. 2019 , 7, 360-365	O
276	Probabilistic bearing capacity of strip footing on reinforced soil slope. 2019 , 116, 103213	16
275	A Probabilistic Approach to the Spatial Variability of Ground Properties in the Design of Urban Deep Excavation. 2019 , 4, 51	O

(2019-2019)

274	heterogeneous porous media: utilizing stochastic ensemble surrogate model-based linked simulation optimization model. 2019 , 8, 65-84	3
273	Quantifying the three-dimensional effects of anisotropic soil horizons on hillslope hydrology and stability. 2019 , 570, 329-342	8
272	Probabilistic analysis and design of stabilizing piles in slope considering stratigraphic uncertainty. 2019 , 259, 105162	34
271	Reliability-Based Slope Stability Analysis of Durgawati Earthen Dam Considering Steady and Transient State Seepage Conditions Using MARS and RVM. 2019 , 49, 650-666	7
270	Risk Analysis of Permeable Layer in Pavement Subsurface Drainage System. 2019 , 145, 04019028	2
269	Reliability Analysis of Grillage Flexible Slope Supporting Structure with Anchors Considering Fuzzy Transitional Interval and Fuzzy Randomness of Soil Parameters. 2019 , 44, 8849-8857	13
268	A novel simplified geotechnical reliability analysis method. 2019 , 74, 337-349	8
267	Accurate estimation of soil shear strength parameters. 2019 , 26, 1000-1010	3
266	Stochastic Analysis of Rainfall-Induced Slope Instability and Steady-State Seepage Flow Using Random Finite-Element Method. 2019 , 19, 04019085	21
265	Significance of Spatial Variability of Deep Cement Mixed Columns on Reliability of Column-Supported Embankments. 2019 , 19, 04019087	3
264	Effects of Load History on Seepage-Induced Deformation and Associated Performance in Terms of Probability of Exceeding Limit StatesCase Study of Princeville Levee. 2019 ,	
263	Probabilistic seismic slope stability analysis and design. 2019 , 56, 1979-1998	13
262	Characterisation of geotechnical model uncertainty. 2019 , 13, 101-130	39
261	Reliability-Based Stability Assessment of Natural Slopes. 2019 , 49, 698-707	2
260	Reliability analysis of submarine slope considering the spatial variability of the sediment strength using random fields. 2019 , 86, 340-350	14
259	A Case Study of Probabilistic Seismic Slope Stability Analysis of Rock Fill Tailing Dam. 2019 , 10, 43-60	4
258	Reliability analysis of unsaturated soil slope stability under infiltration considering hydraulic and shear strength parameters. 2019 , 78, 5727-5743	31
257	A novel physically-based model for updating landslide susceptibility. 2019 , 251, 71-80	19

256	Reliability Evaluation of Compacted Tropical Red Soil Admixed with Waste Wood Ash for Use as Road Construction Material. 2019 , 640, 012079	
255	Spatial variability modeling and reliability analysis of flexible pavement through mechanistic∄mpirical model. 2019 , 17, 1129-1145	O
254	Modeling asymmetric dependences among multivariate soil data for the geotechnical analysis [] The asymmetric copula approach. 2019 , 59, 1960-1979	1
253	On Two Approaches to Slope Stability Reliability Assessments Using the Random Finite Element Method. 2019 , 9, 4421	10
252	Seismic fragility functions for slope stability analysis with multiple vulnerability states. 2019 , 78, 1	8
251	An Analytical Approach to Probabilistic Modeling of Liquefaction Based on Shear Wave Velocity. 2019 , 43, 263-275	8
250	Probabilistic methods for unified treatment of geotechnical and geological uncertainties in a geotechnical analysis. 2019 , 249, 148-161	60
249	Critical Appraisal of Codes for Foundation Design and Role of Reliability-Based Approach. 2019 , 49, 467-477	
248	Characteristic values of geotechnical parameters in Eurocode 7. 2019 , 172, 301-311	4
247	Calibration of Resistance Factors for Load and Resistance Factor Design of Internal Limit States of Soil Nail Walls. <i>Journal of Geotechnical and Geoenvironmental Engineering - ASCE</i> , 2019 , 145, 04018100 $^{3.4}$	15
246	Probabilistic-based analysis of a shallow square footing using Monte Carlo simulation. 2019 , 22, 313-333	4
245	Assessment of rainfall-induced landslide susceptibility at the regional scale using a physically based model and fuzzy-based Monte Carlo simulation. 2019 , 16, 695-713	21
244	Optimum design of hydraulic water retaining structures incorporating uncertainty in estimating heterogeneous hydraulic conductivity utilizing stochastic ensemble surrogate models within a multi-objective multi-realisation optimisation model. 2019 , 6, 296-315	4
243	Quantification of the influence of subsurface uncertainties on the performance of rocking foundations during seismic loading. 2019 , 116, 1-14	6
242	An analytical probabilistic analysis of slopes based on limit equilibrium methods. 2019 , 78, 4333-4347	15
241	Probabilistic and Deterministic Analysis of an Excavation Supported by Tiebacks and Nailing in Residual Soil of Gneiss. 2019 , 31-41	
240	A direct reliability-based design method for tunnel support using the performance measure approach with line search. 2019 , 107, 89-96	7
239	Probabilistic assessment of rock slopes stability using the response surface approach IA case study. 2019 , 29, 357-370	14

(2020-2019)

238	Effect of Intrinsic and Epistemic Uncertainties on the Multiobjective Optimal Design of a Hyperstatic Structure. 2019 , 5, 04018047	1
237	Analysis of the First Modal Shape Using Two Case Studies. 2019 , 16, 1840019	3
236	Application of random set method in a deep excavation: based on a case study in Tehran cemented alluvium. 2019 , 13, 66-80	2
235	A dynamic Bayesian network-based model for evaluating rainfall-induced landslides. 2019 , 78, 2069-2080	2
234	Residual factor as a variable in slope reliability analysis. 2019 , 78, 147-166	9
233	Probabilistic stability evaluation for wildlife-damaged earth dams: a Bayesian approach. 2020 , 14, 41-55	8
232	Impact of transient seepage on slope stability of earth-rock dams with geomembrane barrier defects. 2020 , 7, 581-590	3
231	Enhanced fragility analysis of buried pipelines through Lasso regression. 2020 , 15, 471-487	13
230	A large-deformation random finite-element study: failure mechanism and bearing capacity of spudcan in a spatially varying clayey seabed. 2020 , 70, 392-405	20
229	On the use of the global sensitivity analysis in the reliability-based design: Insights from a tunnel support case. 2020 , 117, 103280	11
228	Rock-Engineering Design and NTC2018: Some Open Questions. 2020 , 519-528	3
227	Reliability analysis of shallow foundation in the vicinity of the existing buried conduit. 2020 , 15, 149-158	2
226	Reliability-based design for debris flow barriers. 2020 , 17, 49-59	9
225	Reliability analysis of deep underground research laboratory in Beishan for geological disposal of high-level radioactive waste. 2020 , 118, 103328	5
224	On an energy-based criterion for defining slope failure considering spatially varying soil properties. 2020 , 264, 105323	3
223	Reliability analysis of rapid drawdown of an earth dam using direct coupling. 2020 , 118, 103336	10
222	Reliability assessment of shallow foundations on undrained soils considering soil spatial variability. 2020 , 119, 103369	7
221	Effect of repeated rise and fall of water level on seepage-induced deformation and related stability analysis of Princeville levee. 2020 , 266, 105458	5

Safety Assessment of Shallow Foundations Resting on Sandy Soils with Correlated Parameters. **2020**, 45, 3829-3841

219	Effect of Fiber Reinforcement on Mechanical Behavior of Alkali-Activated Binder-Treated Expansive Soil: Reliability-Based Approach. 2020 , 20, 04020225	13
218	Probabilistic Analysis of Dams Built with Collapsible Material. 2020 , 20, 04020180	
217	Effects of anisotropy in correlation structure on reliability-based slope stability analysis of a landfill. 2021 , 39, 795-805	1
216	Flood-fragility analysis of instream bridges Donsideration of flow hydraulics, geotechnical uncertainties, and variable scour depth. 2020 , 1-14	7
215	Reliability assessment of the performance of granular column in the nonuniform liquefiable ground to mitigate the liquefaction-induced ground deformation. 2020, 1-20	1
214	Design of Large Pipelines Crossing Growth Faults in the Houston Area. 2020 ,	O
213	Quantitative analysis of slope stability of drilling sites with complex topography in the Qiongdongnan continental slope. 2020 , 570, 062044	O
212	Design acceptance criteria for operating open-pit slopes: An update. 2020 , 11, 248-265	
211	Robust Learning via Ensemble Density Propagation in Deep Neural Networks. 2020,	O
210	Monte carlo simulation for stability of finite slope subjected to earthquake loading. 2020 , 888, 012010	1
209	The Influence of Horizontal Variability of Hydraulic Conductivity on Slope Stability under Heavy Rainfall. 2020 , 12, 2567	2
208	Reliability assessment of the physical modeling of liquefaction-induced effects on shallow foundations considering nonuniformity in the centrifuge model. 2020 , 122, 103558	4
207	Practical Guidelines for Assessing Undrained Shear Strength from Triaxial Compression with Isotropic and Anisotropic Consolidation. 2020 ,	
206	Bayes-SAR Net: Robust SAR Image Classification with Uncertainty Estimation Using Bayesian Convolutional Neural Network. 2020 ,	1
205	Reliability analysis of riverbank stability accounting for the intrinsic variability of unsaturated soil parameters. 2020 , 86, 101973	3
204	Importance sampling for system reliability analysis of soil slopes based on shear strength reduction. 2020 , 1-12	1
203	Deterministic and Probabilistic Evaluation of Liquefaction Potential: A Case Study from 2015 Gorkha (Nepal) Earthquake. 2020 , 38, 4369-4384	1

(2021-2020)

202	Influence of soil spatial variability on the response of strip footing on geocell-reinforced slope. 2020 , 122, 103533	17
201	Spatial variability effect of internal friction angle on the post-failure behavior of landslides using a random and non-Newtonian fluid based SPH method. 2020 , 11, 1107-1121	12
200	A novel reliability-based design method based on quantile-based first-order second-moment. 2020 , 88, 461-473	8
199	Finite difference probabilistic slope stability analysis based on collocation-based stochastic response surface method (CSRSM). 2020 , 5, 1	1
198	Probabilistic Assessment for Slope Using the Generalized Chebyshev Inequalities. 2020 , 20, 06020003	7
197	A Reliability Study of a Retaining Wall Design with Seismic Loads. 2020 ,	1
196	Instability of flood embankments due to pore-water pressure build-up at the toe: lesson learned from the Adige River case study. 2020 , 57, 1844-1853	3
195	Uncertainty Analysis in Prediction of Settlements for Spatial Prefabricated Vertical Drains Improved Soft Soil Sites. 2020 , 10, 42	4
194	Reliability analysis of earth dams using direct coupling. 2020 , 12, 366-380	7
193	Probabilistic Evaluation of Local Overstress on Slope Stability Problems. 2020 , 38, 2957-2972	1
193 192	Probabilistic Evaluation of Local Overstress on Slope Stability Problems. 2020 , 38, 2957-2972 Optimal design of prefabricated vertical drain-improved soft ground considering uncertainties of soil parameters. 2020 , 21, 15-28	3
	Optimal design of prefabricated vertical drain-improved soft ground considering uncertainties of	
192	Optimal design of prefabricated vertical drain-improved soft ground considering uncertainties of soil parameters. 2020 , 21, 15-28	3
192	Optimal design of prefabricated vertical drain-improved soft ground considering uncertainties of soil parameters. 2020 , 21, 15-28 Optimization design of stabilizing piles in slopes considering spatial variability. 2020 , 15, 3243-3259	3
192 191 190	Optimal design of prefabricated vertical drain-improved soft ground considering uncertainties of soil parameters. 2020, 21, 15-28 Optimization design of stabilizing piles in slopes considering spatial variability. 2020, 15, 3243-3259 Effective Stress Failure Envelope Forms and Parameter Variability. 2020, Probabilistic outlier detection for sparse multivariate geotechnical site investigation data using	3 14
192 191 190	Optimal design of prefabricated vertical drain-improved soft ground considering uncertainties of soil parameters. 2020, 21, 15-28 Optimization design of stabilizing piles in slopes considering spatial variability. 2020, 15, 3243-3259 Effective Stress Failure Envelope Forms and Parameter Variability. 2020, Probabilistic outlier detection for sparse multivariate geotechnical site investigation data using Bayesian learning. 2021, 12, 425-439 Probabilistic evaluation of three-dimensional seismic active earth pressures using sparse	3 14
192 191 190 189	Optimal design of prefabricated vertical drain-improved soft ground considering uncertainties of soil parameters. 2020, 21, 15-28 Optimization design of stabilizing piles in slopes considering spatial variability. 2020, 15, 3243-3259 Effective Stress Failure Envelope Forms and Parameter Variability. 2020, Probabilistic outlier detection for sparse multivariate geotechnical site investigation data using Bayesian learning. 2021, 12, 425-439 Probabilistic evaluation of three-dimensional seismic active earth pressures using sparse polynomial chaos expansions. 2021, 129, 103869 Effect of natural fiber reinforcement on strength response of alkali activated binder treated	3 14 11

184	Identifying causes and management of river bank erosion in Majuli Island, India. 2021, 23, 10853-10868	1
183	Seismic Slope Stability Analysis of a Hydraulic Fill Dam. 2021 , 21, 04020237	2
182	System Reliability Framework for Design of MSE Walls for Vertical Expansion of MSW Landfills. 2021 , 25, 04020060	2
181	System reliability analysis of soil slopes through constrained optimization. 2021 , 18, 655-666	4
180	Large-Box Direct Shear Test of Municipal Solid Waste: A Case Study. 2021 , 589-597	
179	Reliability and geotechnical safety applied to deep foundations in precast concrete piles - case study. 2021 , 74, 9-18	
178	Slopes stability analysis from Rosia Poieni open pit mine, Romania. 2021 , 342, 02005	
177	Reliability Analysis of Piled Raft Foundation Using a Novel Hybrid Approach of ANN and Equilibrium Optimizer. 2021 , 128, 1033-1067	1
176	Error Evaluation and Suitability Assessment of Common Reliability Methods in the Case of Shallow Foundations. 2021 , 11, 795	3
175	Risk assessment for tailings management. 2021 , 12, 9-24	2
175 174	Risk assessment for tailings management. 2021 , 12, 9-24 Evaluation of antecedent rainfall effects in the analysis of the probability of transient failure in unsaturated slopes. 2021 , 337, 03016	2
	Evaluation of antecedent rainfall effects in the analysis of the probability of transient failure in	
174	Evaluation of antecedent rainfall effects in the analysis of the probability of transient failure in unsaturated slopes. 2021 , 337, 03016 Application of soft computing techniques for shallow foundation reliability in geotechnical	1
174	Evaluation of antecedent rainfall effects in the analysis of the probability of transient failure in unsaturated slopes. 2021 , 337, 03016 Application of soft computing techniques for shallow foundation reliability in geotechnical engineering. 2021 , 12, 375-383 Comparison between baseline technique design and partial factor design in slope engineering.	1 27
174 173 172	Evaluation of antecedent rainfall effects in the analysis of the probability of transient failure in unsaturated slopes. 2021 , 337, 03016 Application of soft computing techniques for shallow foundation reliability in geotechnical engineering. 2021 , 12, 375-383 Comparison between baseline technique design and partial factor design in slope engineering. 2021 , 80, 3351-3364 Stability Analysis of a Landslide: A View with Implications of Microstructural Soil Characters. 2021 ,	1 27 1
174 173 172	Evaluation of antecedent rainfall effects in the analysis of the probability of transient failure in unsaturated slopes. 2021, 337, 03016 Application of soft computing techniques for shallow foundation reliability in geotechnical engineering. 2021, 12, 375-383 Comparison between baseline technique design and partial factor design in slope engineering. 2021, 80, 3351-3364 Stability Analysis of a Landslide: A View with Implications of Microstructural Soil Characters. 2021, 51, 647-660 A search method for probabilistic critical slip surfaces with arbitrary shapes and its application in	1 27 1
174 173 172 171 170	Evaluation of antecedent rainfall effects in the analysis of the probability of transient failure in unsaturated slopes. 2021, 337, 03016 Application of soft computing techniques for shallow foundation reliability in geotechnical engineering. 2021, 12, 375-383 Comparison between baseline technique design and partial factor design in slope engineering. 2021, 80, 3351-3364 Stability Analysis of a Landslide: A View with Implications of Microstructural Soil Characters. 2021, 51, 647-660 A search method for probabilistic critical slip surfaces with arbitrary shapes and its application in slope reliability analysis. 2021, 107, 1657-1679 Fluid Overpressurization of Rock Fractures: Experimental Investigation and Analytical Modeling.	1 27 1

(2021-2021)

166	A sequential sparse polynomial chaos expansion using Voronoi exploration and local linear approximation exploitation for slope reliability analysis. 2021 , 133, 104059	2
165	A Reliability-Based Design Optimization of Cantilever Reinforced Concrete Retaining Walls. 2021,	1
164	Design of borehole deployments for slope stability analysis based on a probabilistic approach. 2021 , 133, 103909	3
163	Probabilistic Stability Assessment of Earthen Levees Subjected to Earthquake Loads. 2021 ,	
162	A General Overview on the Correlation of Compression Index of Clays with Some Geotechnical Index Properties. 1	2
161	Probabilistic analysis of Vette fault stability in potential CO2 storage site Smeaheia, offshore Norway. 2021 , 108, 103315	5
160	Quantitative human risk analysis of 2015 Shenzhen dump failure considering influence of urbanization. 2021 , 18, 1439-1457	1
159	Probabilistic Design of Retaining Wall Using Machine Learning Methods. 2021 , 11, 5411	6
158	Improved Vanmarcke analytical model for 3D slope reliability analysis. 2021 , 134, 104106	2
157	Assessing annual probability of rainfall-induced slope failure through a mechanics-based model. 1	1
156	Reliability analysis of the anti-sliding of a retaining wall subjected to seismic loads. 2021 , 235, 853-862	1
155	Stochastic stability analysis of geosynthetic reinforced slopes subjected to harmonic base shaking. 2021 , 29, 100562	2
154	Prevention of Slides in Surface Mines. 2022 , 105-132	
153	Probability Methods for Stability Design of Open Pit Rock Slopes: An Overview. 2021 , 11, 319	1
152	Additional insights to EC7 from the application of reliability-based design methods: the case of debris flow protection structures. 2021 , 833, 012190	
151	Probabilistic stability analysis of geosynthetic-reinforced slopes under pseudo-static and modified pseudo-dynamic conditions. 2021 ,	3
150	Method for predicting factor of safety and seepage due to variation in dam width and other parameters. 1-9	
149	Reliability analysis of slope with cross-correlated spatially variable soil properties using AFOSM. 2021 , 80, 1	O

148	Field Monitoring and Laboratory Testing for an Integrated Modeling of River Embankments under Transient Conditions. <i>Journal of Geotechnical and Geoenvironmental Engineering - ASCE</i> , 2021 , 147, 0502 1006	1
147	Reliability Assessment for Time-Dependent Behaviour of Soft Soils Considering Cross Correlation between Visco-Plastic Model Parameters. 2021 , 213, 107680	1
146	The role of the geological uncertainty in a geotechnical design 🛭 retrospective view of Freeway No. 3 Landslide in Northern Taiwan. 2021 , 291, 106233	3
145	System Reliability Analysis of Soil Nail Walls against Facing Failures. 2021 , 21, 04021171	1
144	Reliability analysis of consolidation settlement in clay subsoil using FOSM and Monte Carlo simulation. 2021 , 30, 100625	1
143	Robust Optimization for Stability of I-Walls and Levee System Resting on Sandy Foundation. 1	O
142	Probabilistic Analysis on Excavation Responses. 2022 , 201-210	
141	Dependence Structures of Soil Parameters in Sandy Clay. 2021 , 7, 05021005	
140	Slope reliability analysis based on curvilinear local averaging of a 2-D random field. 2021, 137, 104247	1
139	Slope system stability reliability analysis with multi-parameters using generalized probability density evolution method. 1	3
138	A new method for quantitative identification of potential landslide. 2021 , 61, 1475-1479	2
137	Efficient Probabilistic Stability Analysis of Geosynthetic Reinforced Slopes Using Collocation-Based Stochastic Response Surface. 2021 , 21, 04021189	2
136	ASS-GPR: Adaptive Sequential Sampling Method Based on Gaussian Process Regression for Reliability Analysis of Complex Geotechnical Engineering. 2021 , 21, 04021192	О
135	Design of geocell reinforced roads through fragility modeling. 2021 , 49, 1085-1094	2
134	Efficiency of Nondeterministic Methods in Reliability Analysis of Deep Excavations: Case Study of the Soheil Project. 2021 , 21, 05021003	
133	Probabilistic Design Framework for Granular Filters. <i>Journal of Geotechnical and Geoenvironmental Engineering - ASCE</i> , 2021 , 147, 04021133	2
132	Stability analysis of rock slope along selected road sections from Gutane Migiru town to Fincha sugar factory, Oromiya, Ethiopia. 2021 , 3, 1	О
131	PremiUm-CNN: Propagating Uncertainty Towards Robust Convolutional Neural Networks. 2021 , 69, 4669-468	40

130	Probability Study On Submarine Slope Stability. 2007 , 161-170	1
129	The Random Finite Element Method (RFEM) in Slope Stability Analysis. 2007 , 317-346	5
128	Tools and Strategies for Dealing with Uncertainty in Geotechnics. 2007 , 71-95	21
127	Recent Development in Modeling, Analysis, and Design of Foundation Systems Subjected to Blast Loading Considering Uncertainties. 2013 , 927-938	2
126	Review of Evaluation of Uncertainty in Soil Property Estimates from Geotechnical Investigation. 2015 , 2545-2550	3
125	Role of Reliability in Forensic Geotechnical Engineering. 2016 , 467-491	1
124	Reliability Evaluation of Two Compacted Tropical Soils for Use in Municipal Solid Waste Containment Application. 2019 , 544-554	1
123	Identification of the Emergency Condition Reasons at Railway Lines that Are in Difficult Geocryological Conditions. 2020 , 155-162	1
122	Permafrost-Supported Linear Infrastructure Risk Analysis Software: Design and Goals. 2017,	1
121	Stability reliability of a cutting slope in Laohuzui Hydropower Station in Tibet of China. 2019 , 10, 935-957	2
120	Reliability analyses of a prototype soil nail wall using regression models. 2010 , 2, 71-88	6
119	Deflection and buckling of buried flexible pipe-soil system in a spatially variable soil profile. 2011 , 3, 169-188	2
118	Stochastic cost optimization of ground improvement with prefabricated vertical drains and surcharge preloading. 2014 , 7, 525-537	4
117	Integral Abutment Bridge behavior under uncertain thermal and time-dependent load. 2013 , 46, 53-73	7
116	Numerical analysis on stability of express railway tunnel portal. 2016 , 57, 1-20	2
115	Uncertainty effects of soil and structural properties on the buckling of flexible pipes shallowly buried in Winkler foundation. 2016 , 59, 739-759	15
114	Repeatability of Centrifuge Tests Containing a Large, Rigid Foundation Subjected to Lateral Spreading. 2014 , 37, 20130093	7
113	Effect of Specimen Preparation on Volumetric Behavior of Sands under Cyclic Multidirectional Shear. 2020 , 43, 20190008	2

112	Hydro and geomechanical stability assessment of the bund wall bottom slope of the Dniprovsk tailing dump. 2018 , 12, 39-47	1
111	Reliability-based stability analysis considering GCL shear strength variability. 2004 , 11, 212-232	7
110	Implementacifi del modelo TRIGRS con anlisis de confiabilidad para la evaluacifi de la amenaza a movimientos en masa superficiales detonados por lluvia. 2019 , 22, 111-129	8
109	Evaluation of Factors Affecting Parameter m in Drained Shear Strength of Over Consolidated Soils. 2008 , 3, 127-137	2
108	An Overview of Recently Developed Coupled Simulation Optimization Approaches for Reliability Based Minimum Cost Design of Water Retaining Structures. 2018 , 07, 79-112	2
107	Simplified approach for locating the critical probabilistic slip surface in limit equilibrium analysis.	2
106	Estimation of Reliability Level and Applicability of LRFD Based on Standard Drawings of Railway Cantilever Retaining Walls. 2015 , 31, 61-76	1
105	Hillslope instability induced by toe excavation: A comparative study of LEM-based deterministic and probabilistic approaches. 2021 , 46, 1	2
104	References. 2005 , 867-905	
103	Spatial variability of sensitive Champlain sea clay and an application of stochastic slope stability analysis of a cut. 2006 ,	
102	?????????????????. 2007 , 22, 125-132	
101	Effect of Heterogeneous Soil Strength on the Seismic Residual Displacement of Embankments. 2008 ,	
100	Quality assurance and risk reduction in foundation engineering Wilson H. Tang, Department of Civil Engineering, Hong Kong University of Science and Technology, Hong Kong Limin Zhang, Department of Civil Engineering, Hong Kong University of Science and Technology, Hong Kong.	
99	2009 , 143-162 References. 2010 ,	
98	Probabilistic Seepage Analysis by the Finite Element Method Considering Spatial Variability of Soil	5
	Permeability. 2011 , 27, 93-104	
97	Probabilistic Analysis of Vertical Drains using Hasofer-Lind Reliability Index. 2011 , 53, 1-6	2
97 96		

94	Development of Green Rehabilitation Material for Rock and Abandoned Mine Debris Slopes. 2012 , 22, 439-448	1
93	Instability risk assessment of soil tunnel excavation based on ground properties variability. 2013, 786-793	
92	The Analysis of the Seepage Quantity of Reservoir Embankment using Stochastic Response Surface Method. 2013 , 55, 75-84	
91	A role of monitoring to reduce the uncertainty in the performance of pile foundations. 2013 , 357-363	
90	Analysis of the Optimal Separation Distance between Multiple Thermal Energy Storage (TES) Caverns Based on Probabilistic Analysis. 2014 , 24, 155-165	2
89	Lessons Learned From Dams Behavior Under Earthquakes. 2015 , 187-246	O
88	Caso real de colapso de muro pantalla en fase de ejecucifi, influencia geotfinica de las variables del entorno y de estudio en el criterio de dise l y dimensionado: acciones ejecutadas. 2015 , 1, 10	
87	Reliability Design of Footings in Cohesionless Soils using Soft Computing Metamodelings. 2016 , 442-464	
86	Interface between Near-Surface-Mounted Carbon Fiber-Reinforced Polymer and Concrete in Thermal Distress. 2016 , 113,	
85	Evaluation of Ultimate Lateral Resistance for Single Pile Using Strain Wedge Model in Sand. 2016 , 32, 15-22	1
84	Discussion of Correlations for Fully Softened Shear Strength Parameters By B. A. Castellanos, T. L., Brandon, and D. R. VandenBerge, This Article Was Published in Geotechnical Testing Journal, Vol. 39, No. 4, 2016. [DOI: 10.1520/GTJ20150184]. 2017 , 40, 20160148	4
83	Bivariate Probabilistic Modelling of Hydro-Mechanical Properties of Vegetated Soils. 20160049	
82	KOMŪ ZEMĪJ YAPILARININ PARAMETRĪL ANALĪLĪDOLGU-ĒLV ETKLEĪNŪ 2018 , 23, 109-128	1
81	Quantitative Assessment of Human Risk from Landfill Failure in Shenzhen, China. 2019 , 564-572	O
80	Evaluation of slope reliability considering the rotation of the correlation structure of soil properties. 2021 , 861, 062020	
79	Reliability analysis of karst roof stability based on strength reduction method. 2021 , 861, 072118	
78	Recent Advances in the Methods of Slope Stability and Deformation Analyses. 2021 , 81-108	1
77	Advances in reliability and risk analyses of slopes in spatially variable soils: A state-of-the-art review. 2022 , 141, 104498	8

76	Probabilistic analysis of flood embankment stability: the case study of the Adige River embankment in Italy. 2020 , 195, 01003	
75	Reliability Analysis for the Surface Sliding Failure of Gravity Dam. 2020 , 283-288	1
74	The Role of Geological Uncertainty in a Geotechnical Design Retrospective View of Freeway No. 3 Landslide in Northern Taiwan. 2021 ,	1
73	Geotechnical Risk Identification: Case Study of Flexible Retaining Walls Installation.	O
72	A generic approach to soilstructure interaction considering the effects of soil heterogeneity. 2005 , 55, 143-150	
71	Prediction of safety factors for slope stability: comparison of machine learning techniques. 1	1
70	The Role of Geotechnical Monitoring at Design of Foundation Structures and their Verification [] Part 2. 2021 ,	3
69	Reliability Analysis of Modern Geotechnical Codes for the Limit State Design of Sheet Pile Structures Considering Parameter Uncertainties. 2022 , 22,	
68	Comparing Shear Strength Dispersion Characteristics of the Triaxial and Direct Shear Methods for Undisturbed Dense Sand. 2022 , 26, 1560	
67	Probabilistic failure envelopes of strip foundations on soils with non-stationary characteristics of undrained shear strength ´. 1-20	O
66	Framework for the Development of Strain-Based Ultimate Performance Limit State Criterion for the Stability of Earthen Embankments. <i>Journal of Geotechnical and Geoenvironmental Engineering - ASCE</i> , 2022 , 148,	4
65	Probabilistic response of strip footing on reinforced soil slope. 2022 , 333-358	
64	Probabilistic risk factorBased approach for sustainable design of retaining structures. 2022 , 197-207	О
63	A comparison study between 2D and 3D slope stability analyses considering spatial soil variability. 2022 , 23, 208-224	O
62	Assessing Piping Risks by Finite Elements. 2022 ,	
61	System reliability analysis of soil slopes using shear strength reduction and active-learning surrogate models. 2022 , 15, 1	O
60	Probabilistic slope stability analysis: state-of-the-art review and future prospects. 2022, 7,	1
59	Safety Assessment of Pile-Founded T-Walls in the Face of Flooding Hazards. 2022,	

58 Reliability analysis of an earth dam in operating conditions using direct coupling. **2022**, 4,

57	Reliability Assessment of Bioreactor Landfill Performance Using Coupled Thermo-Hydro-Bio-Mechanical Model. <i>Journal of Geotechnical and Geoenvironmental Engineering - ASCE</i> , 2022 , 148,	3.4
56	Probabilistic assessment of seismic response of toe-excavated hillslopes retained using anchored sheet-pile-wall. 2022 , 13, 101736	O
55	Study on the influence of different soil parameters on the modal response of gravity retaining wall slope. 2021 , 11, 125318	
54	Liquefaction potential mapping of Newtown-Rajarhat area, Kolkata, India, using deterministic and reliability analysis. 2022 , 7, 1	
53	Multi-objective optimization design of pile-anchor structures for slopes based on reliability theory considering the spatial variability of soil properties. 2022 , 147, 104751	1
52	Study on Physical and Mechanical Characteristics of Shear Band in Jinpingzi Landslide Region II. 2022 , 10,	
51	Random Finite Element and Limit Equilibrium Methods-Based Probabilistic Stability Analyses of a Cut Slope. 1	
50	Artificial Neural Network-Based Caprock Structural Reliability Analysis for CO2 Injection SiteAn Example from Northern North Sea. 2022 , 15, 3365	О
49	Efficient surrogate model based probabilistic analysis of helical soil nailed wall under seismic conditions. 1-22	
48	A novel reliability-based method of calibrating safety factor: Application to the cemented sand and gravel dams. 2022 , 106719	О
47	Reliability-Based Serviceability Limit State Design of Driven Piles in Glacial Deposits.	
46	Reliability-based optimization in climate-adaptive design of embedded footing. 1-23	
45	Estimating epistemic uncertainty in soil parameters for nonlinear site response analyses: Introducing the Latin Hypercube Sampling technique. 875529302211014	1
44	The probability-based granular field of vegetated soils.	1
43	Reliability based predictive model for estimating shear strength values of locust bean waste ash compacted black cotton soil. 2022 , 5, 100114	O
42	Seismic performance analysis of underground structures based on random field model of soil mechanical parameters. 2022 , 100170	O
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