

TITLE	YEAR
<i>Performance of Composite Piled Raft Foundations with Long and Short Piles Under Static and Seismic Loading</i> A Akbari, A Eslami Geotechnical and Geological Engineering 43 (5), 1-19	2025
<i>Ultimate load bearing of helical piles prediction and evaluation using machine learning-based algorithms</i> A Eslami, A Rahimi, M Nobahar Geomechanics and Geoengineering 20 (3), 661-686	2025
<i>Experimental study on performance and enhanced methods of helical piles using Frustum Confining Vessel in Anzali Sand</i> M Esmailzade, A Eslami Ocean Engineering 324, 120624	2025
<i>Investigation of the Load–Displacement Behavior of Helical Piles in Sand Through Novel Instrumentation</i> A Akbari Zare, A Eslami, A Razmkhah, H Vosoughifar Iranian Journal of Science and Technology, Transactions of Civil Engineering ...	2025
<i>Pore water pressure generation and sensitivity aspects for pile dynamics and capacity loss: CPTu records and case studies</i> A Eslami, D Shadlou, A Ebrahimipour Soil Dynamics and Earthquake Engineering 190, 109208	2025
<i>Sustainable ground improvement and hybrid foundation for tank farm on liquefiable coastal deposit: Case study</i> A Eslami, A Ebrahimipour, SM Fattahi, A Omrani Rekavandi, A Moazzami, ... Marine Georesources & Geotechnology, 1-12	2025
<i>Comparison of frustum confining vessel (FCV) and full-scale testing for helical and expanded piles geotechnical performance</i> M Esmailzade, A Eslami, JS McCartney Marine Georesources & Geotechnology 43 (2), 284-304	2025
<i>Form and load transfer aspects of foundation systems: Case-based implementation and adaptation for buildings</i> A Eslami, A Ebrahimipour, M Imani, R Imam, P Mo Deep Underground Science and Engineering	2025
<i>Raft Foundations Under Combined Vertical-Moment-Horizontal Loading: A Numerical Study on Design-Adaptive Serviceability</i> A Ebrahimipour, A Eslami Transportation Infrastructure Geotechnology 12 (1), 1-24	2025
<i>Various Approaches for Assessment of Crude Oil Mixed Soil Behavior Using Cone Penetration Test Records</i> AS Hagh, A Eslami, M Nobahar Transportation Infrastructure Geotechnology 12 (1), 24	2025
<i>Relevant databased pile design approach</i> A Eslami, SH Golafzani Databases for Data-Centric Geotechnics, 282-314	2024
<i>Role of databases in the evaluation of soil properties</i> A Eslami, PQ Mo Databases for Data-Centric Geotechnics, 152-209	2024

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<p><i>New approach for the numerical analysis of stiffened deep cement mixing columns and piles in coastal engineering through 1D elements</i> A Eslami, A Arjmand, A Ardehe, A Ebrahimipour, M Nobahar, PQ Mo Ocean Engineering 313, 119529</p>	2024
<p><i>Laboratory and Field Study of Construction and Demolition Waste for Roller-Compacted Concrete Pavement</i> A Nasiri, A Eslami, A Fahimifar, D Akbarimehr International Journal of Geomechanics 24 (12), 04024290</p>	2024
<p><i>Static and Dynamic Cone Penetrometer Tests for Babolsar Sand Parameters via Physical Modeling</i> A Eslami, M Nobahar, M Esmailzade Geotechnics 4 (3), 966-984</p>	2024
<p><i>Asymmetric 3D stress-and flux-induced wave propagation in transversely isotropic thermoelastic solids by using of analytical methods</i> Y Hayati, A Eslami, GR Havaei Waves in Random and Complex Media 34 (5), 4868-4885</p>	2024
<p><i>Application of Geoelectrical Methods to Identify the Subsurface Layering Structure of Construction and Demolition Waste Depot</i> A Nasiri, A Eslami, A Fahimifar, D Akbarimehr Journal of Environmental and Engineering Geophysics 29 (3), 93-102</p>	2024
<p><i>Bearing Capacity Evaluation of Deep Foundations in Liquefiable Soils Using Piezocone Test Data</i> M Maleki, A Eslami, A Nabizadeh, A Bahmanpour Geotechnical and Geological Engineering, 1-24</p>	2024
<p><i>Physical modeling study of crude oil contaminated mixed soils behavior using Mini Cone data</i> A Soroush Hagh, T Ebadi, A Eslami, S Shirani AUT Journal of Civil Engineering</p>	2024
<p><i>Bio-Electrokinetic Improvement of Deltaic Soil</i> M Nabizadeh, A Soroush, SM Fattahi, A Eslami Journal of Rock Mechanics and Geotechnical Engineering</p>	2024
<p><i>Geotechnical behavior of conical and skirted foundations through experimental and numerical assessment</i> A Tadayon, A Eslami, K Fakharian Transportation Infrastructure Geotechnology 11 (4), 2501-2522</p>	2024
<p><i>Appraisal of soil-cement columns load displacement behavior through full-scale tests database</i> A Arjmand, A Eslami Marine Georesources & Geotechnology, 1-16</p>	2024
<p><i>Load-displacement appraisal and analysis for driven piles; a data-centric approach</i> A Eslami, A Ebrahimipour Computers and Geotechnics 171, 106377</p>	2024
<p><i>Investigating the geotechnical performance of deep foundations in liquified soils Using the cone penetration test results</i> M Maleki, A Eslami, A Nabizadeh, A BahmanPour Journal of Structural and Construction Engineering 11 (4), 115-136</p>	2024
<p><i>A data-driven approach for assessing the wind-induced erodible fractions of soil</i></p>	2024

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S Motameni, A Soroush, SM Fattahi, A Eslami <i>Journal of Arid Environments</i> 222, 105152	
<i>Numerical investigation of adjacent construction considering induced instability</i> H Moghadas, A Eslami, D Akbarimehr, D Afshar <i>Transportation Infrastructure Geotechnology</i> 11 (3), 1143-1167	2024
<i>Experimental Investigation of the Behavior of Executed Pile Models with Applied Torque in Frustum Confining Vessels</i> S HejaziRad, S Ghareh, A Eslami, N Ganjian <i>Soil Mechanics and Foundation Engineering</i> 61 (2), 157-163	2024
<i>Assessment of adjacent foundations consequences and solutions for remediation via physical modeling</i> H Moghadas, A Eslami, D Akbarimehr, S Asgari <i>Soil Dynamics and Earthquake Engineering</i> 180, 108613	2024
<i>Numerical and experimental investigations of interference effect of adjacent buildings on sand and fill deposits</i> A Eslami, D Afshar, H Moghadas, D Akbarimehr <i>International Journal of Civil Engineering</i> 22 (5), 723-738	2024
<i>ЭКСПЕРИМЕНТАЛЬНОЕ ИССЛЕДОВАНИЕ МОДЕЛЕЙ ЗАВИНЧИВАЕМЫХ СВАЙ</i> <i>Experimental investigation of the behavior of executed pile model with applied torque in Frustum Confining Vessel ...</i> S Hejazirad, S Ghareh, A Eslami, N Ganian Основания, фундаменты и механика грунтов, 31	2024
<i>Dynamic interactions, impedance functions and elastic wave propagation due to horizontal and vertical vibrations of a rigid foundation in a transversely isotropic elastic ground</i> Y Hayati, A Rahai, A Eslami <i>Mechanics of Advanced Materials and Structures</i> 31 (8), 1786-1802	2024
<i>Performance Study of Sustainable Concrete Containing Recycled Aggregates from Non-Selected Construction and Demolition Waste</i> D Akbarimehr, A Eslami, A Nasiri, M Rahai, M Karakouzian <i>Sustainability</i> 16 (7), 2601	2024
<i>Hyperbolic load–displacement analysis of helical and expanded piles: database approach</i> A Rahimi, A Eslami, JS McCartney <i>Proceedings of the Institution of Civil Engineers-Geotechnical Engineering ...</i>	2024
<i>Investigation of constitutive properties of high plasticity clay soils mixed with crushed rubber tire waste</i> A Eslami, D Akbarimehr, A Rahai, M Karakouzian <i>Heliyon</i> 10 (5)	2024
<i>Assessment of construction and demolition waste depot materials for filling</i> A Nasiri, A Eslami, A Fahimifar <i>Transportation Infrastructure Geotechnology</i> 11 (1), 236-262	2024
<i>Analytical study of piles behavior for marine challenging substructures</i> A Ebrahimipour, A Eslami <i>Ocean Engineering</i> 292, 116514	2024
<i>Stability Prediction of Highway Slope on Highly Plastic Clay Using Particle Swarm Optimization (PSO)-Based Neural Network</i> N Masoud, F Han, A Eslami, S Khan, F Amini	2024

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Geo-Congress 2024, 264-274	
<i>Cavity expansion-based interpretation of piezocone penetration test (CPTu) data in clays</i> PQ Mo, G Cai, KJ Wang, A Eslami, HS Yu Géotechnique 75 (2), 258-277	2023
<i>Equivalent dynamic stiffnesses and 3D wave propagations of a transversely isotropic elastic ground in rocking and torsional interactions with a harmonically loaded rigid foundation</i> Y Hayati, A Eslami, A Rahai Mechanics of Advanced Materials and Structures 30 (23), 4711-4730	2023
<i>Dominant factors in MiniCone, CPT and pile correlations: A data-based approach</i> SS Shirani, A Eslami, A Ebrahimipour, M Karakouzian Deep Underground Science and Engineering 2 (4), 346-358	2023
<i>Axial bearing capacity of helical piles in moist and saturated conditions using frustum confining vessel (FCV)</i> A Jassim, N Ganjian, A Eslami Numerical Methods in Civil Engineering 8 (2), 56-69	2023
<i>Discrete element modelling of thermal penetration test with heating and cooling</i> PQ Mo, J Hu, YC Hu, KJ Wang, A Eslami, L Gao Computers and Geotechnics 161, 105600	2023
<i>Deformation characteristics of rubber waste powder–clay mixtures</i> D Akbarimehr, A Rahai, A Eslami, M Karakouzian Sustainability 15 (16), 12384	2023
<i>Investigation of Load-Displacement Behavior of Helical Pile in Wet and Saturated Sand with FCV Apparatus</i> A Jassim, N Ganjian, A Eslami Journal of Structural and Construction Engineering 10 (5), 25-42	2023
<i>Numerical investigation of rigidity and flexibility parameters effect on superstructure foundation behavior using three-dimensional finite element method</i> SAM Hejazi, A Feyzpour, A Eslami, M Fouladgar, SA Eftekhari, ... Case Studies in Construction Materials 18, e01867	2023
<i>Physical modeling of the mechanical behavior of crude oil contaminated mixed soils based on Mini-Cone data</i> A Soroush Hagh, T Ebadi, A Eslami, S Shirani AUT Journal of Civil Engineering 7 (2), 149-156	2023
<i>Improving the geotechnical properties of recycled non-selected construction waste using geogrid reinforcement</i> A Eslami, A Nasiri, A Fahimifar International Journal of Civil Engineering 21 (4), 583-602	2023
<i>Ultimate Capacity of Drilled Displacement Piles: Static Analysis and CPT-Based Methods</i> SH Rad, S Ghareh, A Eslami, N Ganjian Soil Mechanics and Foundation Engineering 60 (1), 29-35	2023
<i>РАСЧЁТ НЕСУЩЕЙ СПОСОБНОСТИ БУРОВЫХ СВАЙ С ЧАСТИЧНЫМ ВЫТЕСНЕНИЕМ ГРУНТА ПО ДАННЫМ ЗОНДИРОВАНИЯ СВАЙ Study on ultimate capacity of Drilled Displacement Piles: Static ...</i> SH Rad, S Ghareh, A Eslami, N Ganjian Основания, фундаменты и механика грунтов, 12	2023

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<i>Deformation Characteristics of Rubber Waste Powder–Clay Mixtures. Sustainability</i> 2023, 15, 12384 D Akbarimehr, A Rahai, A Eslami, M Karakouzian	2023
<i>Foundation systems performance; technical and sustainability aspects</i> A Ebrahimipour, A Eslami, M Imani, R Imam 13th International Congress on Civil Engineering	2023
<i>Mixed boundary-value problems and dynamic impedance functions due to vibrations of a rigid disc on a thermoelastic transversely isotropic half-space</i> Y Hayati, A Rahai, A Eslami Engineering Analysis with Boundary Elements 146, 636-655	2023
<i>Developed triangular charts; deltaic CPTu-based soil behavior classification using AUT: CPTu-Geo-Marine Database</i> A Eslami, SH Golafzani, MH Naghibi Probabilistic Engineering Mechanics 71, 103380	2023
<i>Investigation of inclined retaining walls (located on slopes) performance against static and earthquake loads</i> A Eslami, H Modaraei, H Ahmadi Journal of Computational Methods in Engineering 26 (2), 17-31	2022
<i>Comparision of Methods for Determining Bearing Capacity of Piles Using Standard Penetration Test (SPT) Data</i> A Eslami, MK Fard, N Shariatmadari Journal of Advanced Materials in Engineering (Esteghlal) 24 (1), 77-95	2022
<i>Prospects on data mining approach for pile geotechnical design utilizing CPT and CPTu records: Case study: AUT database</i> A Eslami, SH Golafzani, S Moshfeghi Cone Penetration Testing 2022, 920-925	2022
<i>Assessment of deltaic soil behavior classification using AUT: GMD database regarding CPTu records</i> MH Naghibi, A Eslami, SH Golafzani Cone Penetration Testing 2022, 598-603	2022
<i>3D soil-structure interaction analysis with a combined substructure-FEM under external forces and seismic waves</i> Y Hayati, GR Havaei, A Eslami, M Filippi Mechanics of Advanced Materials and Structures 29 (25), 3773-3793	2022
<i>Design and fabrication of frustum confining vessel apparatus for model pile testing in saturated soils</i> A Jassim, N Ganjian, A Eslami Innovative Infrastructure Solutions 7 (5), 280	2022
<i>Load–Displacement Behavior of Semi-deep Shell Foundations on Sand by Experimental Study</i> A Tadayon, A Eslami, K Fakharian International Journal of Civil Engineering 20 (7), 839-855	2022
<i>Optimized selection of axial pile bearing capacity predictive methods based on multi-criteria decision-making (MCDM) models and database approach</i> S Heidarie Golafzani, A Eslami, R Jamshidi Chenari, M Hamed Saghaian Soft Computing 26 (12), 5865-5881	2022

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<p><i>Wet and dry installation effects on the capacity of helical piles in loess deposits</i> M Arabameri, A Eslami International Journal of Geotechnical Engineering 16 (4), 486-498</p>	2022
<p><i>Geotechnical and geophysical characterisations of construction waste-infilled quarry for housing and commercial developments: Case study of Tehran, Iran</i> A Eslami, A Nabizadeh, H Akbarzadeh Kasani Waste Management & Research 40 (3), 349-359</p>	2022
<p><i>Effect of cone diameter on determination of penetration resistance using a FCV</i> M Esmailzade, A Eslami, A Nabizadeh, E Aflaki International Journal of Civil Engineering, 1-14</p>	2022
<p><i>Field investigation on the performance of different screw piles in sandy soils Case study: Bandar Anzali Coast-Anzali Port</i> E Shojaei, N Ganjian, R Ezzatdust JOURNAL OF STRUCTURAL AND CONSTRUCTION ENGINEERING 9 (3002403), 2-20</p>	2022
<p><i>Experimental and Comparative Investigations of New Self-Expanded Steel Pile Behavior via Physical Modelling</i> E Shojaei, A Eslami, N Ghanjiyan Soil Mechanics and Foundation Engineering 58 (6), 482-490</p>	2022
<p><i>ФИЗИЧЕСКОЕ МОДЕЛИРОВАНИЕ ПОВЕДЕНИЯ САМОРАСШИРЯЮЩИХСЯ СТАЛЬНЫХ СВАЙ Experimental and comparative investigations of a new self-expanded steel pile behaviour via physical ...</i> E Shojaei, A Eslami, N Ganjian Основания, фундаменты и механика грунтов, 14</p>	2021
<p><i>Failure analysis of clay soil-rubber waste mixture as a sustainable construction material</i> A Eslami, D Akbarimehr Construction and Building Materials 310, 125274</p>	2021
<p><i>Experimental and field studies on the behavior of drilled displacement piles</i> SH Rad, S Ghareh, A Eslami, N Ganjian Innovative Infrastructure Solutions 6, 1-11</p>	2021
<p><i>Influence of soil stiffness on the response of piled raft foundations under earthquake loading</i> A Akbari, A Eslami, M Nikookar Transportation Infrastructure Geotechnology, 1-17</p>	2021
<p><i>Laboratory Study of the Helical Piles Behavior Under Reciprocal Loading Via Frustum Confining Vessel (AUT-FCV)</i> H Safikhani, A Eslami, N Ganjian, A Bahmanpour Journal of Structural and Construction Engineering 8 (Special Issue 3), 378-396</p>	2021
<p><i>Relevant data-based approach upon reliable safety factor for pile axial capacity</i> A Eslami, S Heidarie Golafzani Marine Georesources & Geotechnology 39 (11), 1373-1386</p>	2021
<p><i>3D asymmetric dynamic Green's functions of a thermoelastic transversely isotropic solid by a method of potentials</i> Y Hayati, GR Havaei, A Eslami Journal of Thermal Stresses 44 (11), 1366-1388</p>	2021
<p><i>Comparison of behavior of Drilled Displacement piles in laboratory and field (Case study; Anzali sand)</i> S Hejazirad, S Ghareh, A Eslami, N Ganjian</p>	2021

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<i>Journal of Structural and Construction Engineering</i> 8 (8), 49-68	
<i>Correlations between compression index and index properties of undisturbed and disturbed Tehran clay</i> D Akbarimehr, A Eslami, R Imam <i>Geotechnical and Geological Engineering</i> 39 (7), 5387-5393	2021
<i>Investigating the effect of waste rubber in granular form on strength behavior of Tehran clay</i> D Akbarimehr, A Eslami, E Aflaki, MM Hajitaheriha <i>Arabian Journal of Geosciences</i> 14, 1-12	2021
<i>Microstructure and strength effect on bearing capacity of helical piles installed in golestan loess</i> M Arabameri, A Eslami <i>International Journal of Civil Engineering</i> 19 (8), 923-940	2021
<i>Self-expanded piles: A new approach to unconventional piles development</i> E Shojaei, A Eslami, N Ganjian <i>Marine Georesources & Geotechnology</i> 39 (1), 115-128	2021
<i>Geotechnical site characterization of the Lake Urmia super-soft sediments using laboratory and CPTu records</i> A Eslami, D Akbarimehr, E Aflaki, MM Hajitaheriha <i>Marine Georesources & Geotechnology</i> 38 (10), 1223-1234	2020
<i>Using empirical correlations and artificial neural network to estimate compressibility of low plasticity clays</i> D Akbarimehr, A Eslami, E Aflaki, R Imam <i>Arabian Journal of Geosciences</i> 13, 1-11	2020
<i>Geotechnical behaviour of clay soil mixed with rubber waste</i> D Akbarimehr, A Eslami, E Aflaki <i>Journal of Cleaner Production</i> 271, 122632	2020
<i>Probabilistic assessment of model uncertainty for prediction of pile foundation bearing capacity; static analysis, SPT and CPT-based methods</i> S Heidarie Golafzani, A Eslami, R Jamshidi Chenari <i>Geotechnical and Geological Engineering</i> 38, 5023-5041	2020
<i>Reliability based assessment of axial pile bearing capacity: static analysis, SPT and CPT-based methods</i> S Heidarie Golafzani, R Jamshidi Chenari, A Eslami <i>Georisk: Assessment and management of risk for Engineered Systems and ...</i>	2020
<i>Pile shaft capacity from cone penetration test records considering scale effects</i> A Eslami, S Lotfi, JA Infante, S Moshfeghi, MM Eslami <i>International Journal of Geomechanics</i> 20 (7), 04020073	2020
<i>Skirted semi-deep foundations behaviour on deposits with variable undrained shear strength</i> S Rezazadeh, A Eslami <i>Ships and Offshore Structures</i> 15 (5), 492-502	2020
<i>Background to foundation engineering</i> A Eslami, S Moshfeghi, H MolaAbasi, MM Eslami <i>Piezocone Cone Penetration Test (CPTu CPT) Appl. Found. Eng.</i> 25-53	2020
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<i>International Journal of Civil Engineering</i> 17 (12), 1971-1971	
<i>Load–displacement behavior of driven piles in sand using CPT-based stress and strain fields</i> F Valikhah, A Eslami, M Veiskarami <i>International Journal of Civil Engineering</i> 17, 1879-1893	2019
<i>Piezococone and cone penetration test (CPTu and CPT) applications in foundation engineering</i> A Eslami, S Moshfeghi, H Molaabasi, MM Eslami Butterworth-Heinemann	2019
<i>Geotechnical properties of Rasht clay and silt in Northern Iran</i> H Akbarzadeh Kasani, A Eslami <i>International Journal of Geotechnical Engineering</i> 13 (6), 566-580	2019
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<i>Investigation into geotechnical properties of clayey soils contaminated with gasoil using Response Surface Methodology (RSM)</i> F Mir Mohammad Hosseini, T Ebadi, A Eslami, ... <i>Scientia Iranica</i> 26 (3), 1122-1134	2019
<i>Design adaptations in a large and deep urban excavation: Case study</i> A Alipour, A Eslami <i>Journal of Rock Mechanics and Geotechnical Engineering</i> 11 (2), 389-399	2019
<i>Elasto-plastic characteristics of clayey soils contaminated by gasoil using cyclic triaxial apparatus</i> F Mir Mohammad Hosseini, SM Mir Mohammad Hosseini, T Ebadi, ... <i>Arabian Journal of Geosciences</i> 12, 1-10	2019
<i>Experimental investigation of the densification properties of clay soil mixes with tire waste</i> D Akbarimehr, E Aflaki, A Eslami <i>Civil Engineering Journal</i> 5 (2), 363-372	2019
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<i>Axial compressive bearing capacity of piles in oil-contaminated sandy soil using FCV</i> A Mohammadi, T Ebadi, A Eslami, SE van der Zee <i>Marine Georesources & Geotechnology</i> 37 (2), 164-179	2019
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<i>Performance Evaluation of Anchored Diaphragm Walls under Service Loads</i> M Minaei Javid, AR Rahai, A Eslami Amirkabir Journal of Civil Engineering 50 (4), 765-780	2018
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<i>A study of the axial load behaviour of helical piles in sand by frustum confining vessel</i> AMA Fateh, A Eslami, A Fahimifar International Journal of Physical Modelling in Geotechnics 18 (4), 175-190	2018
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<i>Reply to Discussion on "Empirical methods for determining shaft bearing capacity of semi-deep foundations socketed in rocks"</i> S Rezazadeh, A Eslami Journal of Rock Mechanics and Geotechnical Engineering 10 (3), 607-609	2018
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<i>Investigation of geotechnical properties of clayey soils contaminated with gasoil using Response Surface Methodology (RSM) 2</i> FMM Hosseini, T Ebadi, A Eslami, SMMM Hosseini, HR Jahangard Sci Iran	2018
<i>Investigation of the Anzali sand steady state strength and its relation to standard penetration number</i> E Ghanbari, AR Saberi, S Fattahzadeh, A Eslami Geomechanics and Geotechnics of Particulate Media, 25-28	2017
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<i>Empirical methods for determining shaft bearing capacity of semi-deep foundations socketed in rocks</i> S Rezazadeh, A Eslami <i>Journal of Rock Mechanics and Geotechnical Engineering</i> 9 (6), 1140-1151	2017
<i>CPT-based investigation for pile toe and shaft resistances distribution</i> A Eslami, F Valikhah, M Veiskarami, M Salehi <i>Geotechnical and Geological Engineering</i> 35, 2891-2905	2017
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<i>Properties of fine soils contaminated with gas oil</i> FMM Hosseini, T Ebadi, A Eslami <i>Materials Testing</i> 59 (9), 803-810	2017
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