# Aminaton Marto

List of Publications by Year
in descending order

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|---|---|---|---|
| 89 papers | 3,281 citations | 168829<br>31 h-index | 169272<br>56 g-index |
| 91 all docs | 91 docs citations | 91 times ranked | 2040 citing authors |

| # | Article | IF | Citations |
|---|---------|-----|-----------|
| 1 | Unconfined compressive strength of compacted marine clay treated with magnesium chloride. AIP Conference Proceedings, 2021, , . | 0.3 | 1 |
| 2 | Flood Forecasting of Malaysia Kelantan River using Support Vector Regression Technique. Computer Systems Science and Engineering, 2021, 39, 297-306. | 1.9 | 4 |
| 3 | Modelling Debris Flow Runout: A Case Study on the Mesilau Watershed, Kundasang, Sabah. Water (Switzerland), 2021, 13, 2667. | 1.2 | 9 |
| 4 | Application of hybrid intelligent systems in predicting the unconfined compressive strength of clay material mixed with recycled additive. Transportation Geotechnics, 2021, 30, 100627. | 2.0 | 24 |
| 5 | 3D prediction of tunneling-induced ground movements based on a hybrid ANN and empirical methods. Engineering With Computers, 2020, 36, 251-269. | 3.5 | 32 |
| 6 | Various effective factors on peak uplift resistance of pipelines in sand: a comparative study. International Journal of Geotechnical Engineering, 2020, 14, 820-827. | 1.1 | 5 |
| 7 | Experimental study of surface failure induced by tunnel construction in sand. Engineering Failure Analysis, 2020, 118, 104897. | 1.8 | 22 |
| 8 | Micro-Level Analysis of Marine Clay Stabilised with Polyurethane. KSCE Journal of Civil Engineering, 2020, 24, 807-815. | 0.9 | 12 |
| 9 | A Review on Tunnel–Pile Interaction Applied by Physical Modeling. Geotechnical and Geological Engineering, 2020, 38, 3341-3362. | 0.8 | 6 |
| 10 | Predicting tunnel boring machine performance through a new model based on the group method of data handling. Bulletin of Engineering Geology and the Environment, 2019, 78, 3799-3813. | 1.6 | 114 |
| 11 | Applying various hybrid intelligent systems to evaluate and predict slope stability under static and dynamic conditions. Soft Computing, 2019, 23, 5913-5929. | 2.1 | 151 |
| 12 | Prediction of building damage induced by tunnelling through an optimized artificial neural network. Engineering With Computers, 2019, 35, 579-591. | 3.5 | 36 |
| 13 | Application of several optimization techniques for estimating TBM advance rate in granitic rocks. Journal of Rock Mechanics and Geotechnical Engineering, 2019, 11, 779-789. | 3.7 | 156 |
| 14 | Enhancement of Soft Soil Behaviour by using Floating Bottom Ash Columns. KSCE Journal of Civil Engineering, 2019, 23, 2453-2462. | 0.9 | 7 |
| 15 | Bottom ash utilization: A review on engineering applications and environmental aspects. IOP Conference Series: Materials Science and Engineering, 2019, 527, 012006. | 0.3 | 20 |
| 16 | Measuring the engineering properties of marine clay treated with disposed granite waste. Measurement: Journal of the International Measurement Confederation, 2019, 131, 50-60. | 2.5 | 66 |
| 17 | Significance of Surface Eco-Protection Techniques for Cohesive Soils Slope in Selangor, Malaysia. Geotechnical and Geological Engineering, 2019, 37, 2007-2014. | 0.8 | 56 |
| 18 | Rock tensile strength prediction using empirical and soft computing approaches. Bulletin of Engineering Geology and the Environment, 2019, 78, 4519-4531. | 1.6 | 40 |

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|---|---------|----|-----------| 
| 19 | Eco-Friendly Sustainable Stabilization of Dredged Soft Clay Using Low-Carbone Recycled Additives. , 2019, , 71-84. | | 3 |
| 20 | The use of radial basis function and non-linear autoregressive exogenous neural networks to forecast multi-step ahead of time flood water level. International Journal of Advances in Intelligent Informatics, 2019, 5, 1. | 0.8 | 14 |
| 21 | Implementing an ANN model optimized by genetic algorithm for estimating cohesion of limestone samples. Engineering With Computers, 2018, 34, 307-317. | 3.5 | 76 |
| 22 | Utilization of Recycled Tiles and Tyres in Stabilization of Soils and Production of Construction Materials â€" A State-of-the-Art Review. KSCE Journal of Civil Engineering, 2018, 22, 3860-3874. | 0.9 | 53 |
| 23 | Bearing capacity of soft soil model treated with end-bearing bottom ash columns. Environmental Earth Sciences, 2018, 77, 1. | 1.3 | 14 |
| 24 | Probabilistic air-overpressure simulation resulting from blasting operations. Environmental Earth Sciences, 2018, 77, 1. | 1.3 | 10 |
| 25 | Sustainable Improvement of Clays Using Low-Carbon Nontraditional Additive. International Journal of Geomechanics, 2018, 18, . | 1.3 | 52 |
| 26 | Identifying and assessing the critical criteria affecting decision-making for green roof type selection. Sustainable Cities and Society, 2018, 39, 772-783. | 5.1 | 63 |
| 27 | Sustainable Improvement of Marine Clay Using Recycled Blended Tiles. Geotechnical and Geological Engineering, 2018, 36, 3135-3147. | 0.8 | 42 |
| 28 | Control of pile movements induced by tunnelling using micropiles. International Journal of Physical Modelling in Geotechnics, 2018, 18, 191-207. | 0.5 | 2 |
| 29 | Comparison between Cement and Concrete Waste on the Strength Behaviour of Marine Clay Treated with Coal Ash. MATEC Web of Conferences, 2018, 250, 01003. | 0.1 | 1 |
| 30 | Sequestering Atmospheric $CO_2$ Inorganically: A Solution for Malaysiaâ€™s $CO_2$ Emission. Geosciences (Switzerland), 2018, 8, 483. | 1.0 | 10 |
| 31 | 3D Numerical Model of Soil-Tunnel Interaction Induced by Segment Joint Parameter. Journal of Physics: Conference Series, 2018, 1049, 012044. | 0.3 | 0 |
| 32 | Compaction and Plasticity Comparative Behaviour of Soft Clay Treated with Coarse and Fine Sizes of Ceramic Tiles. E3S Web of Conferences, 2018, 34, 01012. | 0.2 | 16 |
| 33 | Predicting the Effective Depth of Soil Stabilization for Marine Clay Treated by Biomass Silica. KSCE Journal of Civil Engineering, 2018, 22, 4316-4326. | 0.9 | 8 |
| 34 | Tropical residual soil stabilization: A powder form material for increasing soil strength. Construction and Building Materials, 2017, 147, 827-836. | 3.2 | 92 |
| 35 | Strength improvement of lime-treated clay with sodium chloride. Geotechnical Research, 2017, 4, 192-202. | 0.8 | 8 |
| 36 | Microzonation Analysis of Cohesionless and Cohesive Soil. MATEC Web of Conferences, 2017, 103, 07006. | 0.1 | 0 |

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| 37 | A review on the geotechnical and engineering characteristics of marine clay and the modern methods of improvements. Malaysian Journal of Fundamental and Applied Sciences, 2017, 13, 825-831. | 0.4 | 50 |
| 38 | Evaluation of the Response of Buried Steel Pipelines Subjected to the Strike-slip Fault Displacement. Civil Engineering Journal (Iran), 2017, 3, 661-671. | 1.2 | 3 |
| 39 | THERMAL PROPERTIES OF MALAYSIAN COHESIVE SOILS. Jurnal Teknologi (Sciences and Engineering), 2016, 78, . | 0.3 | 3 |
| 40 | BEARING CAPACITY OF SOFT CLAY INSTALLED WITH SINGULAR AND GROUP OF ENCASED BOTTOM ASH COLUMNS. Jurnal Teknologi (Sciences and Engineering), 2016, 78, . | 0.3 | 3 |
| 41 | INVESTIGATION ON THE MECHANICS OF PRECAST SEGMENT TUNNEL LINING. Jurnal Teknologi (Sciences and) Tj ETQq1 1 0.784314 rgBT | 0.3 | 1 |
| 42 | ROCK BEARING RESISTANCE OF BORED PILES SOCKETED INTO ROCK. Jurnal Teknologi (Sciences and) Tj ETQq0 0 0 rgBT /Overlock 10 Tf | 0.3 | 0 |
| 43 | PROPERTIES OF COAL BOTTOM ASH FROM POWER PLANTS IN MALAYSIA AND ITS SUITABILITY AS GEOTECHNICAL ENGINEERING MATERIAL. Jurnal Teknologi (Sciences and Engineering), 2016, 78, . | 0.3 | 10 |
| 44 | Optimization of Leachate Treatment with Granular Biomedia: Feldspar and Zeolite. Indian Journal of Science and Technology, 2016, 9, . | 0.5 | 9 |
| 45 | UNDRAINED SHEAR STRENGTH OF SOFT CLAY MIXED WITH DIFFERENT PERCENTAGES OF LIME AND SILICA FUME. Jurnal Teknologi (Sciences and Engineering), 2016, 78, . | 0.3 | 0 |
| 46 | The Soil-Water Characteristic Curve of Unsaturated Tropical Residual Soil. IOP Conference Series: Materials Science and Engineering, 2016, 136, 012013. | 0.3 | 4 |
| 47 | Experimental Investigations on Behaviour of Strip Footing Placed on Chemically Stabilised Backfills and Flexible Retaining Walls. Arabian Journal for Science and Engineering, 2016, 41, 4115-4126. | 1.1 | 9 |
| 48 | Effect of fines content on critical state parameters of sand matrix soils. AIP Conference Proceedings, 2016, , . | 0.3 | 2 |
| 49 | Stabilization Of Marine Clay Using Biomass Silica-Rubber Chips Mixture. IOP Conference Series: Materials Science and Engineering, 2016, 160, 012084. | 0.3 | 4 |
| 50 | Shear strength and compressibility behaviour of lime-treated organic clay. KSCE Journal of Civil Engineering, 2016, 20, 1721-1727. | 0.9 | 11 |
| 51 | Effect of magnesium chloride solution on the physico-chemical characteristics of tropical peat. Environmental Earth Sciences, 2016, 75, 1. | 1.3 | 40 |
| 52 | Time-dependent physicochemical characteristics of Malaysian residual soil stabilized with magnesium chloride solution. Arabian Journal of Geosciences, 2016, 9, 1. | 0.6 | 30 |
| 53 | Evaluation and prediction of flyrock resulting from blasting operations using empirical and computational methods. Engineering With Computers, 2016, 32, 109-121. | 3.5 | 109 |
| 54 | Physicochemical behavior of tropical laterite soil stabilized with non-traditional additive. Acta Geotechnica, 2016, 11, 433-443. | 2.9 | 59 |

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|---|---------|----|-----------|
| 55 | Response of shallow geothermal energy pile from laboratory model tests. IOP Conference Series: Earth and Environmental Science, 2015, 26, 012038. | 0.2 | 4 |
| 56 | EFFECT OF SODIUM SILICATE AS LIQUID BASED STABILIZER ON SHEAR STRENGTH OF MARINE CLAY. Jurnal Teknologi (Sciences and Engineering), 2015, 76, . | 0.3 | 19 |
| 57 | UTILIZATION OF SUGARCANE BAGASSE ASH FOR STABILIZATION / SOLIDIFICATION OF LEAD-CONTAMINATED SOILS. Jurnal Teknologi (Sciences and Engineering), 2015, 77, . | 0.3 | 0 |
| 58 | SURFACE SETTLEMENT INDUCED BY TUNNELING IN GREENFIELD CONDITION THROUGH PHYSICAL MODELLING. Jurnal Teknologi (Sciences and Engineering), 2015, 76, . | 0.3 | 1 |
| 59 | LIQUEFACTION RESISTANCE OF SAND MATRIX SOILS. Jurnal Teknologi (Sciences and Engineering), 2015, 77, . | 0.3 | 2 |
| 60 | COMPARISONS ON THE RESPONSE OF SHALLOW GEOTHERMAL ENERGY PILE EMBEDDED IN SOFT AND FIRM SOILS. Jurnal Teknologi (Sciences and Engineering), 2015, 77, . | 0.3 | 5 |
| 61 | UNCONFINED COMPRESSIVE STRENGTH AND MICROSTRUCTURE OF CLAY SOIL STABILISED WITH BIOMASS SILICA. Jurnal Teknologi (Sciences and Engineering), 2015, 77, . | 0.3 | 1 |
| 62 | STRENGTH CHARACTERISTIC OF BROWN KAOLIN TREATED WITH LIQUID POLYMER ADDITIVES. Jurnal Teknologi (Sciences and Engineering), 2015, 76, . | 0.3 | 3 |
| 63 | COMPARISON OF SOIL INDEX PROPERTIES VALUE FOR DIFFERENT PRE-DRYING CONDITIONS ON CLAYEY SOIL. Jurnal Teknologi (Sciences and Engineering), 2015, 76, . | 0.3 | 1 |
| 64 | SOFT SOIL IMPROVEMENT USING CHEMICAL-RUBBER CHIPS MIXTURE. Jurnal Teknologi (Sciences and) Tj ETQq0 0 0 rgBT /Overlock 10 T | 0.3 | 1 |
| 65 | SEGMENT'S JOINT IN PRECAST TUNNEL LINING DESIGN. Jurnal Teknologi (Sciences and Engineering), 2015, 77, . | 0.3 | 6 |
| 66 | Neuro-fuzzy technique to predict air-overpressure induced by blasting. Arabian Journal of Geosciences, 2015, 8, 10937-10950. | 0.6 | 102 |
| 67 | Application of two intelligent systems in predicting environmental impacts of quarry blasting. Arabian Journal of Geosciences, 2015, 8, 9647-9665. | 0.6 | 103 |
| 68 | Indirect measure of thermal conductivity of rocks through adaptive neuro-fuzzy inference system and multivariate regression analysis. Measurement: Journal of the International Measurement Confederation, 2015, 67, 71-77. | 2.5 | 13 |
| 69 | Ground vibration prediction in quarry blasting through an artificial neural network optimized by imperialist competitive algorithm. Bulletin of Engineering Geology and the Environment, 2015, 74, 873-886. | 1.6 | 209 |
| 70 | Analysis of strength development in non-traditional liquid additive-stabilized laterite soil from macro- and micro-structural considerations. Environmental Earth Sciences, 2015, 73, 1133-1141. | 1.3 | 45 |
| 71 | Blast-induced air and ground vibration prediction: a particle swarm optimization-based artificial neural network approach. Environmental Earth Sciences, 2015, 74, 2799-2817. | 1.3 | 162 |
| 72 | Strength and Physico-chemical Characteristics of Fly Ash–Bottom Ash Mixture. Arabian Journal for Science and Engineering, 2015, 40, 2447-2455. | 1.1 | 54 |

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| 73 | Prediction of blast-induced air overpressure: a hybrid AI-based predictive model. Environmental Monitoring and Assessment, 2015, 187, 666. | 1.3 | 48 |
| 74 | A Novel Approach for Blast-Induced Flyrock Prediction Based on Imperialist Competitive Algorithm and Artificial Neural Network. Scientific World Journal, The, 2014, 2014, 1-11. | 0.8 | 106 |
| 75 | Critical State of Sand Matrix Soils. Scientific World Journal, The, 2014, 2014, 1-7. | 0.8 | 8 |
| 76 | Prediction of airblast-overpressure induced by blasting using a hybrid artificial neural network and particle swarm optimization. Applied Acoustics, 2014, 80, 57-67. | 1.7 | 171 |
| 77 | Blasting-induced flyrock and ground vibration prediction through an expert artificial neural network based on particle swarm optimization. Arabian Journal of Geosciences, 2014, 7, 5383-5396. | 0.6 | 305 |
| 78 | Strength behavior and microstructural characteristics of tropical laterite soil treated with sodium silicate-based liquid stabilizer. Environmental Earth Sciences, 2014, 72, 91-98. | 1.3 | 66 |
| 79 | Shear Strength Parameters and Consolidation of Clay Reinforced with Single and Group Bottom Ash Columns. Arabian Journal for Science and Engineering, 2014, 39, 2641-2654. | 1.1 | 18 |
| 80 | Effect of Non-Traditional Additives on Engineering and Microstructural Characteristics of Laterite Soil. Arabian Journal for Science and Engineering, 2014, 39, 6949-6958. | 1.1 | 63 |
| 81 | Indirect measure of shale shear strength parameters by means of rock index tests through an optimized artificial neural network. Measurement: Journal of the International Measurement Confederation, 2014, 55, 487-498. | 2.5 | 115 |
| 82 | Simulation of Safe Height Embankment on Soft Ground Using Plaxis. APCBEE Procedia, 2013, 5, 152-156. | 0.5 | 12 |
| 83 | Shear Strength Improvement of Soft Clay Mixed with Tanjung Bin Coal Ash. APCBEE Procedia, 2013, 5, 116-122. | 0.5 | 19 |
| 84 | Settlement Behavior of Embankment Reinforced with High Strength Geotextile at the Interface. Advanced Science Letters, 2013, 19, 2597-2603. | 0.2 | 1 |
| 85 | Comparison of Field Performance between Bamboo-Geotextile Composite Embankment and High Strength Geotextile Embankment. Advanced Materials Research, 2012, 587, 77-80. | 0.3 | 1 |
| 86 | Morphological and Strength Properties of Tanjung Bin Coal Ash Mixtures for applied in Geotechnical Engineering Work. International Journal on Advanced Science, Engineering and Information Technology, 2012, 2, 168. | 0.2 | 12 |
| 87 | Bearing Capacity of Shallow Foundation's Prediction through Hybrid Artificial Neural Networks. Applied Mechanics and Materials, 0, 567, 681-686. | 0.2 | 18 |
| 88 | Stabilization of Marine Clay by Biomass Silica (Non-Traditional) Stabilizers. Applied Mechanics and Materials, 0, 695, 93-97. | 0.2 | 13 |
| 89 | Flood Disaster and Early Warning: Application of ANFIS for River Water Level Forecasting. Kinetik, 0, , 1-10. | 0.1 | 1 |