

# Fauziah Ahmad

## List of Publications by Year in descending order

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44  
papers

606  
citations

759233

12  
h-index

610901

24  
g-index

45  
all docs

45  
docs citations

45  
times ranked

609  
citing authors

#	ARTICLE	IF	CITATIONS
1	Effect of Solvent on Superhydrophobicity Behavior of Tiles Coated with Epoxy/PDMS/SS. <i>Polymers</i> , 2022, 14, 2406.	4.5	5
2	Towards TBM Automation: On-The-Fly Characterization and Classification of Ground Conditions Ahead of a TBM Using Data-Driven Approach. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 1060.	2.5	15
3	Vulnerability analysis of landslide at Sibolangit using Geographic Information System (GIS) based on population density and slope gradient. <i>IOP Conference Series: Materials Science and Engineering</i> , 2020, 801, 012008.	0.6	1
4	Two-axes tilt sensing using circular gratings. <i>Optical Engineering</i> , 2019, 58, 1.	1.0	1
5	Effect of stabilizers on the shear strength of residual soil. <i>MATEC Web of Conferences</i> , 2018, 162, 01019.	0.2	1
6	Effect of Alkaline Activator to Fly Ash Ratio for Geopolymer Stabilized Soil. <i>MATEC Web of Conferences</i> , 2017, 97, 01012.	0.2	10
7	Modeling evolution of karst aquifer from one-dimension to three-dimension: A review. <i>AIP Conference Proceedings</i> , 2017, , .	0.4	0
8	To determine the slow shearing rate for consolidation drained shear box tests. <i>AIP Conference Proceedings</i> , 2017, , .	0.4	0
9	The Influences of Basic Physical Properties of Clayey Silt and Silty Sand on Its Laboratory Electrical Resistivity Value in Loose and Dense Conditions. <i>Sains Malaysiana</i> , 2017, 46, 1959-1969.	0.5	7
10	Modeling of tyre-mat (8R-MAT) reinforced riverbank using PLAXIS. <i>Japanese Geotechnical Society Special Publication</i> , 2016, 2, 1117-1122.	0.2	0
11	Investigation on Strength Development in RBI Grade 81 Stabilized Serian Soil with Microstructural Considerations. <i>IOP Conference Series: Materials Science and Engineering</i> , 2016, 136, 012016.	0.6	3
12	Development of Drainage Material Using Rice Husk Cement Mortar with Foam. <i>Key Engineering Materials</i> , 2016, 700, 173-182.	0.4	0
13	Soil Arching Effect in Sand Reinforced with Micropiles Under Lateral Load. <i>Soil Mechanics and Foundation Engineering</i> , 2016, 53, 152-157.	0.7	8
14	Development of Low Cost Soil Stabilization Using Recycled Material. <i>IOP Conference Series: Materials Science and Engineering</i> , 2016, 136, 012003.	0.6	4
15	Determination of rainfall erosivity in Penang. <i>Japanese Geotechnical Society Special Publication</i> , 2016, 2, 1132-1136.	0.2	2
16	Rainfall Erosivity Estimation for Northern and Southern Peninsular Malaysia using Fournier Indexes. <i>Procedia Engineering</i> , 2015, 125, 179-184.	1.2	12
17	The Influence of Electrical Resistivity Array on its Soil Electrical Resistivity Value. <i>Applied Mechanics and Materials</i> , 2014, 510, 185-192.	0.2	8
18	The Influence of Basic Physical Properties of Soil on its Electrical Resistivity Value under Loose and Dense Condition. <i>Journal of Physics: Conference Series</i> , 2014, 495, 012014.	0.4	6

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19	Novel moiré-pattern based tilt sensor for slope movement sensing: Repeatability study. , 2014, , .		0
20	Effects of Electro Osmotic Consolidation in South West of Johor: Small Laboratory Scale. Materials Science Forum, 2014, 803, 255-264.	0.3	1
21	Strength and mechanical behavior of soil-cement-lime-rice husk ash (soil-CLR) mixture. Materials and Structures/Materiaux Et Constructions, 2014, 47, 55-66.	3.1	34
22	Correlation Analysis Between Field Electrical Resistivity Value (ERV) and Basic Geotechnical Properties (BGP). Soil Mechanics and Foundation Engineering, 2014, 51, 117-125.	0.7	23
23	Determining the Factors of Safety of Spatially Variable Slopes Modeled by Random Fields. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2013, 139, 2082-2095.	3.0	42
24	Evaluation of the mechanical properties of recycled glass fibers-derived three dimensional geomaterial for ground improvement. Journal of Cleaner Production, 2013, 52, 495-503.	9.3	28
25	Integration of statistical and spatial methods for distributing precipitation in tropical areas. Hydrology Research, 2013, 44, 982-994.	2.7	5
26	Discussion of Evaluation of Interslice Force Function and Discussion on Convergence in Slope Stability Analysis by the Lower Bound Method by Y. M. Cheng, Z. H. Zhao, and Y. J. Sun. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2012, 138, 562-562.	3.0	0
27	A Balanced Scorecard approach in evaluating IT projects in the public sector. , 2012, , .		1
28	Assessing the potential reuse of recycled glass fibre in problematic soil applications. Journal of Cleaner Production, 2012, 35, 102-107.	9.3	37
29	Effectiveness of check dam to control soil erosion in a tropical catchment (The Ulu Kinta Basin). Catena, 2012, 97, 63-70.	5.0	59
30	Application of Thermoplastics in Protection of Natural Fibres. , 2012, , .		1
31	Qualitative risk assessment schemes using selected parameters for hillslope developments: a case study of Penang Island. Landslides, 2012, 9, 63-74.	5.4	4
32	Seismic Refraction Investigation on Near Surface Landslides at the Kundasang Area in Sabah, Malaysia. Procedia Engineering, 2012, 50, 516-531.	1.2	2
33	New Approach to Oil Palm Trunk Core Lumber Material Properties Enhancement via Resin Impregnation. Journal of Biobased Materials and Bioenergy, 2012, 6, 299-308.	0.3	16
34	Influence of large dam on seismic hazard in low seismic region of Ulu Padas Area, Northern Borneo. Natural Hazards, 2011, 59, 237-269.	3.4	1
35	Performance of oil palm empty fruit bunch fibres coated with acrylonitrile butadiene styrene. Construction and Building Materials, 2011, 25, 1824-1829.	7.2	23
36	Characterization and Hazard Study of Two Areas of Penang Island, Malaysia. Human and Ecological Risk Assessment (HERA), 2011, 17, 915-922.	3.4	24

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37	Laboratory Assessment of Water Flow Simulator for Porous Parking Lots Reservoir and Soil Layers. Journal of Applied Sciences, 2011, 11, 3464-3473.	0.3	0
38	Performance evaluation of silty sand reinforced with fibres. Geotextiles and Geomembranes, 2010, 28, 93-99.	4.6	181
39	The Effect of Soil Burial Degradation of Oil Palm Trunk Fiber-filled Recycled Polypropylene Composites. Journal of Reinforced Plastics and Composites, 2010, 29, 1653-1663.	3.1	14
40	Evaluation of Environmental Risk Assessment Parameters Due to Hillslope Developments in Penang Island, Malaysia. Human and Ecological Risk Assessment (HERA), 2010, 16, 1007-1025.	3.4	2
41	Title is missing!. ScienceAsia, 2009, 35, 372.	0.5	0
42	Index Properties of Organic and Slightly Organic Soils. Advanced Materials Research, 0, 291-294, 3454-3458.	0.3	0
43	Soil Resistivity Measurements to Predict Moisture Content and Density in Loose and Dense Soil. Applied Mechanics and Materials, 0, 353-356, 911-917.	0.2	14
44	Soil Moisture Content and Density Prediction Using Laboratory Resistivity Experiment. International Journal of Engineering and Technology, 0, , 731-735.	0.2	11