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List of articles citing

Effects of physical properties on electrical conductivity of compacted lateritic soil

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#	Paper	IF	Citations
97	Temporal Characteristics of Desiccation Cracking and Resistivity of Lateritic Soil in Drying Process. <i>Drying Technology</i> , <b>2015</b> , 33, 952-964	2.6	6
96	Identification resistivity value of soil: alternative substitute resistance material on resistor. <i>Journal of Physics: Conference Series</i> , <b>2016</b> , 776, 012095	0.3	
95	Determination of Correlation between Laboratory based Electrical Resistivity and Bulk Density of Compacted Laterite Soil. <i>Indian Journal of Science and Technology</i> , <b>2016</b> , 9,	1	1
94	A critical analysis of the performance of plate- and point-electrodes for determination of electrical properties of the soil mass. <i>Measurement: Journal of the International Measurement Confederation</i> , <b>2016</b> , 93, 552-562	4.6	7
93	Electrical resistivity tomography to address earth dams and their failure at the laboratory scale. <b>2016</b> ,		1
92	Optimizing Non-Invasive Techniques for Surface and Sub-Surface Soil Characterizations for a Slope in Lebanon. <b>2016</b> ,		1
91	Secondary consolidation of a consolidated kaolin slurry during electrokinetic treatment. <i>Engineering Geology</i> , <b>2017</b> , 220, 31-42	6	9
90	Non-destructive experimental testing and modeling of electrical impedance behavior of untreated and treated ultra-soft clayey soils. <i>Journal of Rock Mechanics and Geotechnical Engineering</i> , <b>2017</b> , 9, 543-550	5.3	4
89	Electrical Conductivity of Microbially Treated Geomaterials and Industrial Wastes. <i>Journal of Hazardous, Toxic, and Radioactive Waste</i> , <b>2017</b> , 21, 04017009	2.3	3
88	Study of the electrical resistivity of compacted kaolin based on water potential. <i>Engineering Geology</i> , <b>2017</b> , 226, 1-11	6	14
87	Electrical resistivity of mechanically stabilized earth wall backfill. <i>Journal of Applied Geophysics</i> , <b>2017</b> , 141, 98-106	1.7	10
86	Long term treated wastewater impacts and source identification of heavy metals in semi-arid soils of Central Botswana. <i>Geoderma Regional</i> , <b>2017</b> , 10, 200-214	2.7	14
85	High Voltage Discharge Profile on Soil Breakdown Using Impulse Discharge. <i>IOP Conference Series: Materials Science and Engineering</i> , <b>2017</b> , 210, 012040	0.4	0
84	Real-Time Three-Dimensional Imaging of Soil Resistivity for Assessment of Moisture Distribution for Intelligent Irrigation. <i>Hydrology</i> , <b>2017</b> , 4, 54	2.8	6
83	Numerical investigation of two-phase flow encountered in electrically enhanced oil recovery. <i>Journal of Petroleum Exploration and Production</i> , <b>2018</b> , 8, 1505-1518	2.2	1
82	Investigations on magnetic characteristics of the soil and their influence on its dielectric response. <i>Applied Clay Science</i> , <b>2018</b> , 158, 113-122	5.2	3
81	Assessment of engineering behaviour of an intensely weathered swelling mudstone under full range of seasonal variation and the relationships among measured parameters. <i>Canadian Geotechnical Journal</i> , <b>2018</b> , 55, 1837-1849	3.2	15

80 Electrical Properties of Soils. **2018**, 497-533

79 PanAm Unsaturated Soils 2017. **2018**,

78 Analysis of Soil Resistivity and its Impact on Grounding Systems Design. **2018**,

6

77 Laboratory evaluation of soil geotechnical properties via electrical conductivity. *Revista Facultad De Ingenieria*, **2018**, 101-112

1

1

76 Random network model of electrical conduction in two-phase rock. *Mineralogy and Petrology*, **2018**, 112, 857-864

1.6

75 Effect of state of compaction on the electrical resistivity of sand-bentonite lining materials. *Journal of Applied Geophysics*, **2018**, 155, 208-216

1.7

10

74 Bulk density and water content-dependent electrical resistivity analyses of different soil classes on a laboratory scale. *Environmental Earth Sciences*, **2018**, 77, 1

2.9

7

73 Relationship between Electrical Resistivity and Matric Suction of Compacted Granite Residual Soil. **2018**,

0

72 Groundwater quality assessment using multivariate statistical technique and hydro-chemical facies in Birbhum District, West Bengal, India. *SN Applied Sciences*, **2019**, 1, 1

1.8

13

71 A Novel Approach to Interpret Soil Moisture Content for Economical Monitoring of Urban Landscape. *Sustainability*, **2019**, 11, 5609

3.6

0

70 Graphene-based polymer composite films with enhanced mechanical properties and ultra-high in-plane thermal conductivity. *Composites Science and Technology*, **2019**, 184, 107797

8.6

46

69 Effects of NaCl concentration on electrical resistivity of clay with cooling. *Journal of Applied Geophysics*, **2019**, 170, 103843

1.7

5

68 Effect of Wetting-Drying Cycles on Mechanical Behaviour and Electrical Resistivity of Unsaturated Subgrade Soil. *Advances in Civil Engineering*, **2019**, 2019, 1-10

1.3

6

67 Measurement of Peat Soil Shear Strength Using Wenner Four-Point Probes and Vane Shear Strength Methods. *International Journal of Geophysics*, **2019**, 2019, 1-12

2

2

66 Electrical resistivity as a binary classifier for bridge scour evaluation. *Transportation Geotechnics*, **2019**, 19, 146-157

4

0

65 Investigation of non-unique relationship between soil electrical conductivity and water content due to drying-wetting rate using TDR. *Engineering Geology*, **2019**, 252, 54-64

6

9

64 Monitoring the movement of inorganic MK701 fertilizer in soil by a home-made multi-channel electrical conductivity instrument. *Vietnam Journal of Chemistry*, **2019**, 57, 538-542

0.8

2

63 Plant invasion alters the physico-chemical dynamics of soil system: insights from invasive *Leucanthemum vulgare* in the Indian Himalaya. *Environmental Monitoring and Assessment*, **2020**, 191, 792

3.1

6

62	The Effect of Rice Husk Silicate Extract on Plant Height, Electrical Conductivity and pH of Paddy Hydroponics. <i>IOP Conference Series: Earth and Environmental Science</i> , <b>2019</b> , 334, 012026	0.3	1
61	Geo-electric assessment of the compacted sand-bentonite mixes. <i>International Journal of Geotechnical Engineering</i> , <b>2019</b> , 1-16	1.5	2
60	Evaluating Biochar Impact on Topramezone Adsorption Behavior on Soil under No-Tillage and Rotary Tillage Treatments: Isotherms and Kinetics. <i>International Journal of Environmental Research and Public Health</i> , <b>2019</b> , 16,	4.6	5
59	Investigating plant root effects on soil electrical conductivity: An integrated field monitoring and statistical modelling approach. <i>Earth Surface Processes and Landforms</i> , <b>2019</b> , 44, 825-839	3.7	8
58	Dynamics of soil water content using field monitoring and AI: A case study of a vegetated soil in an urban environment in China. <i>Sustainable Computing: Informatics and Systems</i> , <b>2020</b> , 28, 100301	3	4
57	Circular time-domain reflectometry system for monitoring bridge scour depth. <i>Marine Georesources and Geotechnology</i> , <b>2020</b> , 38, 312-321	2.2	6
56	Modelling DUALEM-2 measured soil conductivity as a function of measuring depth to correlate with soil moisture content and potato tuber yield. <i>Precision Agriculture</i> , <b>2020</b> , 21, 484-502	5.6	5
55	Factors that affect soil electrical conductivity (EC) based system for smart farming application. <b>2020</b> ,		11
54	Electrical resistivity of fly ash and metakaolin based geopolymers. <i>Construction and Building Materials</i> , <b>2020</b> , 234, 117868	6.7	28
53	The influence of temperature on the dielectric permittivity and complex electrical resistivity of porous media saturated with DNAPLs: A laboratory study. <i>Journal of Applied Geophysics</i> , <b>2020</b> , 172, 103921	1.7	10
52	Adaptations in <i>Imperata cylindrica</i> (L.) Raeusch. and <i>Cenchrus ciliaris</i> L. for altitude tolerance. <i>Biologia (Poland)</i> , <b>2020</b> , 75, 183-198	1.5	4
51	A novel approach to quantify soil salinity by simulating the dielectric loss of SAR in three-dimensional density space. <i>Remote Sensing of Environment</i> , <b>2020</b> , 251, 112059	13.2	8
50	Mediate relation between electrical and thermal conductivity of soil. <i>Geomechanics and Geophysics for Geo-Energy and Geo-Resources</i> , <b>2020</b> , 6, 1	3.8	8
49	Effects of anisotropic changes on the conductivity of sedimentary aquifers, southeastern Niger Delta, Nigeria. <i>Acta Geophysica</i> , <b>2020</b> , 68, 1833-1843	2.2	2
48	The effect of Ag on thermoelectric performance of Cu <sub>1-x</sub> Ag <sub>x</sub> S tetrahedrite/Al prepared using modified polyol methods. <i>Journal of Physics: Conference Series</i> , <b>2020</b> , 1572, 012071	0.3	0
47	Effect of Recycled Polyethylene Terephthalate Strips on the Mechanical Properties of Cement-Treated Lateritic Sandy Soil. <i>Sustainability</i> , <b>2020</b> , 12, 9801	3.6	1
46	A Review about the Modeling and Simulation of Electro-Quasistatic Fields in HVDC Cable Systems. <i>Energies</i> , <b>2020</b> , 13, 5189	3.1	5
45	Conductance-Based Interface Detection for Multi-Phase Pipe Flow. <i>Sensors</i> , <b>2020</b> , 20,	3.8	3

44	Comparison of grounding methods for utility scale PV plants. <b>2020,</b>		0
43	Development of Soil Electrical Conductivity (EC) Sensing System in Paddy Field. <i>Journal of Physics: Conference Series</i> , <b>2021</b> , 1755, 012005	0.3	0
42	Georeferenced tractor wheel slip data for prediction of spatial variability in soil physical properties. <i>Precision Agriculture</i> , <b>2021</b> , 22, 1659-1684	5.6	3
41	Nano-enabled Zn fertilization against conventional Zn analogues in strawberry ( <i>Fragaria</i> L'Ananassa Duch.). <i>Scientia Horticulturae</i> , <b>2021</b> , 282, 110016	4.1	4
40	Geo-electrical characterization of physical and mechanical properties of zinc tailing. <i>Journal of Applied Geophysics</i> , <b>2021</b> , 188, 104315	1.7	
39	Use of Recycled Polyethylene Terephthalate Strips in Soil Improvement. <i>Geotechnical and Geological Engineering</i> , 1	1.5	0
38	Non-invasive survey technology for estimating the distribution of oxidant solution: A pilot injection study. <i>Journal of Contaminant Hydrology</i> , <b>2021</b> , 239, 103779	3.9	
37	A Case Study of Thermal Evolution in the Vicinity of Geothermal Probes Following a Distributed TRT Method. <i>Energies</i> , <b>2021</b> , 14, 2632	3.1	1
36	A soft-computing approach to estimate soil electrical conductivity. <i>Biosystems Engineering</i> , <b>2021</b> , 205, 105-120	4.8	2
35	Use of electrical resistivity method to quantify accumulated sediments in Wellington reservoir, India. <i>Geosciences Journal</i> , 1	1.4	
34	Filter paper method for suction measurement using electrical resistivity. <i>Geotechnique Letters</i> , <b>2021</b> , 11, 195-201	1.7	
33	Performance of microbial fuel cell operating with clay-manihot starch composite proton exchange membrane using RSM. <i>Current Research in Green and Sustainable Chemistry</i> , <b>2021</b> , 4, 100117	4.1	3
32	Stress-Strain-Electrical Evolution Properties and Damage-Evolution Equation of Lateritic Soil Under Uniaxial Compression. <i>Journal of Testing and Evaluation</i> , <b>2017</b> , 45, 20150237	1	3
31	New models for calculating the electrical resistivity of loess affected by moisture content and NaCl concentration. <i>Environmental Science and Pollution Research</i> , <b>2021</b> , 1	5.1	2
30	Modeling the Electro-Quasistatic Field of Ground Electrodes Under the Influence of Electro-Osmosis. <b>2020,</b>		
29	The Optimum Storage Conditions on the Quality of the Stingless bee Honey. <i>Journal of Physics: Conference Series</i> , <b>2021</b> , 2049, 012003	0.3	
28	Improvement in dryland crop performance and soil properties with multiple annual applications of lignite-derived humic amendment. <i>Soil and Tillage Research</i> , <b>2022</b> , 218, 105306	6.5	1
27	Morphology and physiology of <i>Perilla frutescens</i> (Linn.) Britt in relation to micro-climate and edaphic characteristics. <i>Tropical Ecology</i> , 1	1.3	

26	A new methodological framework for geophysical sensor combinations associated with machine learning algorithms to understand soil attributes. <i>Geoscientific Model Development</i> , <b>2022</b> , 15, 1219-1246	6.3	2
25	Multiple Machine Learning Algorithms and Pedoenvironmental Attributes Applied in Geophysical Surveys. <i>SSRN Electronic Journal</i> ,	1	
24	Experimental Study on the Influence of Dry/Wet Cycles on the Static and Dynamic Characteristics of Fiber-Modified Lime and Fly Ash-Stabilized Iron Tailings at Early Curing Age. <i>Crystals</i> , <b>2022</b> , 12, 568	2.3	2
23	Application of wetland plant-based vermicomposts as an organic amendment with high nutritious value. <i>Chemical Engineering Research and Design</i> , <b>2022</b> ,	5.5	0
22	Use of Electrical Resistivity Tomography to Study the Impact of Long-Term Application of Sewage Sludge: Case Study of Oued Souhil Experimental Station, Nabeul (Tunisia). <i>Advances in Science, Technology and Innovation</i> , <b>2022</b> , 603-609	0.3	
21	Soil apparent electrical conductivity survey in different pedoenvironments by geophysical sensor EM38: a potential tool in pedology and pedometry studies. <i>Geocarto International</i> , 1-24	2.7	
20	Pedogenetic processes operating at different intensities inferred by geophysical sensors and machine learning algorithms. <i>Catena</i> , <b>2022</b> , 216, 106370	5.8	
19	The Extent of Deterioration of a Mechanically Stabilised Lateritic Base Course After Design Life and Its Implications for Rehabilitation: A Case Study of Kumasi City Roads, Ghana. <i>Geotechnical and Geological Engineering</i> ,	1.5	
18	Application of electrical resistivity in evaluating a section of road conditions— case study in Ifaki-Oye-Ikole Ekiti Highway, Nigeria. <i>Arabian Journal of Geosciences</i> , <b>2022</b> , 15,	1.8	1
17	Monitoring critically saturated conditions for shallow landslide occurrence using electrical resistivity tomography. <i>Vadose Zone Journal</i> ,	2.7	2
16	Application of TDR in compacted clay soils: Issues of dry density, water content range and calibration.. <i>Canadian Geotechnical Journal</i> ,	3.2	
15	Identification of saline landscapes from an integrated SVM approach from a novel 3-D classification schema using Sentinel-1 dual-polarized SAR data. <i>Remote Sensing of Environment</i> , <b>2022</b> , 279, 113144	13.2	1
14	Innovative Overview of SWRC Application in Modeling Geotechnical Engineering Problems. <b>2022</b> , 6, 69		1
13	Different ratios of <i>Canna indica</i> and maize—vermicompost as biofertilizers to improve soil fertility and plant growth: A case study from southwest China. <b>2022</b> , 215, 114374		1
12	Electrical Resistivity-Based Characterization of Geotechnical Properties of Mine Tailing. <b>2023</b> , 153-164		0
11	Micro-topographies formed by erosion can drive seedling emergence by rebuilding micro-habitats on weathered waste dumps in northeastern China. 10,		0
10	Effect of cyclopentane on hydrate-based desalination efficiency at different operating condition. <b>2023</b> , 143, 104653		0
9	Research on vehicle-mounted soil electrical conductivity and moisture content detection system based on current—voltage six-terminal method and spectroscopy. <b>2023</b> , 205, 107640		0

- 8 Comparison of Measured and Derived Thermal Conductivities in the Unsaturated Soil Zone of a Large-Scale Geothermal Collector System (LSC). **2023**, 16, 1195 ○
- 7 Can arbuscular mycorrhizal fungi and rhizobacteria facilitate 33P uptake in maize plants under water stress?. **2023**, 271, 127350 ○
- 6 Characterization of subsurface sediment as a reconnaissance tool towards restoring the Nigerian Transgressive mud coast. **2023**, 62, 102933 ○
- 5 Relationship between thermal and electrical conductivity curves of soils with a unimodal pore size distribution: Part 2. Estimating bulk electrical conductivity from thermal conductivity. **2023**, 432, 116419 ○
- 4 Development of novel velocityResistivity relationships for granitic terrains based on complex collocated geomorphographic modeling and supervised statistical analysis. ○
- 3 Variations in Formation Resistivity and Geometric Tortuosity Factors for Consolidated Niger Delta Formations. ○
- 2 Staircase Wetlands for the Treatment of Greywater and the Effect of Greywater on Soil Microbes. **2023**, 15, 6102 ○
- 1 Study on groundwater table distribution of loess tableland in the South Jingyang tableland, Northwest China. ○