

Conductivity models for Archie rocks

Geophysics

77, WA109-WA128

DOI: [10.1190/geo2011-0297.1](https://doi.org/10.1190/geo2011-0297.1)

Citation Report

#	ARTICLE	IF	CITATIONS
1	Electrical conductivity of percolating two-component rock-like materials. <i>Journal Physics D: Applied Physics</i> , 2013, 46, 155301.	1.3	7
2	Determination of electrical conductivity of double-porosity formations by using generalized differential effective medium approximation. <i>Journal of Applied Geophysics</i> , 2014, 108, 104-109.	0.9	13
3	Forward modeling and inversion of induction logs from shaly sand reservoirs using petrophysical conductivity models. <i>Russian Geology and Geophysics</i> , 2014, 55, 793-799.	0.3	10
4	Universal scaling of the formation factor in clays: Example from the Nankai Trough. <i>Journal of Geophysical Research: Solid Earth</i> , 2015, 120, 7361-7375.	1.4	16
5	Saturation effects on the joint elastic dielectric properties of carbonates. <i>Journal of Applied Geophysics</i> , 2016, 129, 36-40.	0.9	1
6	Mineralogical modelling and petrophysical parameters in Permian gas shales from the Rosemeath and Murteer formations, Cooper Basin, Australia. <i>Petroleum Exploration and Development</i> , 2016, 43, 277-284.	3.0	11
7	A model for calculating the formation resistivity factor in low and middle porosity sandstone formations considering the effect of pore geometry. <i>Journal of Petroleum Science and Engineering</i> , 2017, 152, 193-203.	2.1	24
8	Geo-electrical Characterisation for CO ₂ Sequestration in Porous Media. <i>Environmental Processes</i> , 2017, 4, 303-317.	1.7	10
9	Electrical characteristics of rocks in fractured and caved reservoirs. <i>Journal of Geophysics and Engineering</i> , 2017, 14, 1437-1444.	0.7	5
10	Electrical conductivity models in saturated porous media: A review. <i>Earth-Science Reviews</i> , 2017, 171, 419-433.	4.0	219
11	Derivation of formation factor in shaly sandstone with geometry and clay conductivity effects. <i>Journal of Petroleum Science and Engineering</i> , 2019, 182, 106359.	2.1	9
12	The effect of various lengths of pores and throats on the formation resistivity factor. <i>Journal of Applied Geophysics</i> , 2019, 162, 35-46.	0.9	7
13	Petrophysical evaluation using the geometric factor theory and comparison with archie model. <i>Journal of Natural Gas Science and Engineering</i> , 2020, 82, 103465.	2.1	4
14	A fractal model for the electrical conductivity of water-saturated porous media during mineral precipitation-dissolution processes. <i>Advances in Water Resources</i> , 2020, 145, 103742.	1.7	31
15	Experiment and analysis for the influence of saturating method on saturation exponent n. <i>Acta Geodaetica Et Geophysica</i> , 2020, 55, 119-131.	0.7	5
16	Determination of Archie's cementation exponent for shale reservoirs; an experimental approach. <i>Journal of Petroleum Science and Engineering</i> , 2021, 201, 108527.	2.1	14
17	Simple holistic solution to Archie's-law puzzle in porous media. <i>Physical Review E</i> , 2021, 103, 063005.	0.8	1
18	Calculation of cementation factor and saturation exponent by resistivity: a case study of silty clay formation, Changchun, China. <i>Arabian Journal of Geosciences</i> , 2021, 14, 1.	0.6	3

#	ARTICLE	IF	CITATIONS
19	Porous Media Primer for Physicists. Lecture Notes in Physics, 2014, , 59-101.	0.3	0
20	Determination of Cementation Factor from Induced Polarization Concept. , 2018, , 1-9.		0
21	Using Groundwater Numerical Simulation to Improve the Accuracy of Electromagnetic Interpretation. Journal of Environmental and Engineering Geophysics, 2018, 23, 171-181.	1.0	1
22	Integrated model construction for CO2-EOR monitoring via charged-wellbore casing controlled-source electromagnetics. , 2019, , .		1
23	Joint inversion of seismic and electrical data in saturated porous media. Near Surface Geophysics, 0, , .	0.6	1
24	Pore-Scale Investigation of the Electrical Resistivity of Saturated Porous Media: Flow Patterns and Porosity Efficiency. Journal of Geophysical Research: Solid Earth, 2021, 126, e2021JB022608.	1.4	7
25	Conductivity in partially saturated porous media described by porosity, electrolyte saturation and saturation-dependent tortuosity and constriction factor. Geophysical Prospecting, 2022, 70, 400-420.	1.0	6
26	Pore-Scale Investigation of the Electrical Property and Saturation Exponent of Archie's Law in Hydrate-Bearing Sediments. Journal of Marine Science and Engineering, 2022, 10, 111.	1.2	13
27	Studies and Applications of Dual Pore Saturation Model Based on Pore Structure Classification in Tight Reservoirs. Frontiers in Earth Science, 2022, 9, .	0.8	0
29	A Mixing Model for Describing Electrical Conductivity of a Woven Structure. Materials, 2022, 15, 2512.	1.3	2
30	Dependence of electrical conduction on pore structure in reservoir rocks from the Beibuwan and Pearl River Mouth Basins: A theoretical and experimental study. Geophysics, 2023, 88, MR35-MR53.	1.4	1
31	Theoretical Study on Rock-Electric Characteristics of Complex Shaly Sandstones and its Application to Reservoir Saturation Evaluation. Natural Resources Research, 0, , .	2.2	0
32	Characterization of Pore Electrical Conductivity in Porous Media by Weakly Conductive and Nonconductive Pores. Surveys in Geophysics, 2023, 44, 877-923.	2.1	3
35	A Novel Method for Accurate Measurement of Fluid Saturation in Shaly Sandstone During CO2 Sequestration. , 2024, , .		0