

From computed microtomography images to resistivity  
heterogeneous carbonates using a dual-porosity pore-  
percolation on the electrical transport properties

Physical Review E

84, 011133

DOI: [10.1103/physreve.84.011133](https://doi.org/10.1103/physreve.84.011133)

Citation Report

#	ARTICLE	IF	CITATIONS
1	Re-examining Archie's law: Conductance description by tortuosity and constriction. <i>Physical Review E</i> , 2012, 86, 046314.	0.8	50
2	Improving the Estimations of Petrophysical Transport Behavior of Carbonate Rocks Using a Dual Pore Network Approach Combined with Computed Microtomography. <i>Transport in Porous Media</i> , 2012, 94, 505-524.	1.2	80
3	Assessment of the two relaxation time Lattice-Boltzmann scheme to simulate Stokes flow in porous media. <i>Water Resources Research</i> , 2012, 48, .	1.7	87
4	Numerical homogenization of electrokinetic equations in porous media using lattice-Boltzmann simulations. <i>Physical Review E</i> , 2013, 88, 013019.	0.8	21
5	Computing the Longtime Behaviour of NMR Propagators in Porous Media Using a Pore Network Random Walk Model. <i>Transport in Porous Media</i> , 2014, 101, 251-267.	1.2	3
6	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
7	The effects of rock heterogeneity on compaction localization in porous carbonates. <i>Journal of Structural Geology</i> , 2014, 67, 75-93.	1.0	62
8	Universal Stochastic Multiscale Image Fusion: An Example Application for Shale Rock. <i>Scientific Reports</i> , 2015, 5, 15880.	1.6	89
9	A new electrical formation factor model for bimodal carbonates: numerical studies using dual-pore percolation network. <i>Geophysical Journal International</i> , 2015, 201, 1456-1470.	1.0	16
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12	Characterization of pore structure and strain localization in Majella limestone by X-ray computed tomography and digital image correlation. <i>Geophysical Journal International</i> , 2015, 200, 701-719.	1.0	56
13	The Impact of Sub-Resolution Porosity of X-ray Microtomography Images on the Permeability. <i>Transport in Porous Media</i> , 2016, 113, 227-243.	1.2	139
14	Simulating secondary waterflooding in heterogeneous rocks with variable wettability using an image-based, multiscale pore network model. <i>Water Resources Research</i> , 2016, 52, 6833-6850.	1.7	13
15	Imaging and image-based fluid transport modeling at the pore scale in geological materials: A practical introduction to the current state-of-the-art. <i>Earth-Science Reviews</i> , 2016, 155, 93-128.	4.0	336
16	Using synchrotron X-ray microtomography to characterize the pore network of reservoir rocks: A case study on carbonates. <i>Advances in Water Resources</i> , 2016, 95, 254-263.	1.7	29
17	Improved method for effective rock microporosity estimation using X-ray microtomography. <i>Micron</i> , 2017, 97, 11-21.	1.1	18
18	Formation factor in Bentheimer and Fontainebleau sandstones: Theory compared with pore-scale numerical simulations. <i>Advances in Water Resources</i> , 2017, 107, 139-146.	1.7	11

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20	Electrical conductivity models in saturated porous media: A review. <i>Earth-Science Reviews</i> , 2017, 171, 419-433.	4.0	219
21	Nanoscale and multiresolution models for shale samples. <i>Fuel</i> , 2018, 217, 218-225.	3.4	51
22	Rapid multiscale modeling of flow in porous media. <i>Physical Review E</i> , 2018, 98, .	0.8	41
23	Effective Stress Law for the Permeability and Deformation of Four Porous Limestones. <i>Journal of Geophysical Research: Solid Earth</i> , 2018, 123, 4707-4729.	1.4	29
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25	Pore-scale network modeling of microporosity in low-resistivity pay zones of carbonate reservoir. <i>Journal of Natural Gas Science and Engineering</i> , 2019, 71, 103005.	2.1	21
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38	An evaluation method of rock pore volume compressibility determination using a computed tomography scanned-based finite element model. Acta Geophysica, 2023, 71, 147-159.	1.0	2
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40	Characterization of Pore Electrical Conductivity in Porous Media by Weakly Conductive and Nonconductive Pores. Surveys in Geophysics, 2023, 44, 877-923.	2.1	3