# Branko Bijeljic

List of Publications by Year
in descending order

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| 138 | 10,191 | 29994 | 34900 |
|---|---|---|---|
| papers | citations | 54 | 98 |
| | | h-index | g-index |

| 139 | 139 | 139 | 4518 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Pore-scale imaging and modelling. Advances in Water Resources, 2013, 51, 197-216. | 1.7 | 1,407 |
| 2 | Mixing, spreading and reaction in heterogeneous media: A brief review. Journal of Contaminant Hydrology, 2011, 120-121, 1-17. | 1.6 | 407 |
| 3 | Modelling two-phase flow in porous media at the pore scale using the volume-of-fluid method. Journal of Computational Physics, 2012, 231, 5653-5668. | 1.9 | 393 |
| 4 | Computations of Absolute Permeability on Micro-CT Images. Mathematical Geosciences, 2013, 45, 103-125. | 1.4 | 338 |
| 5 | Pore-scale contact angle measurements at reservoir conditions using X-ray microtomography. Advances in Water Resources, 2014, 68, 24-31. | 1.7 | 317 |
| 6 | Direct simulations of two-phase flow on micro-CT images of porous media and upscaling of pore-scale forces. Advances in Water Resources, 2014, 74, 116-126. | 1.7 | 254 |
| 7 | Multi-scale multi-dimensional microstructure imaging of oil shale pyrolysis using X-ray micro-tomography, automated ultra-high resolution SEM, MAPS Mineralogy and FIB-SEM. Applied Energy, 2017, 202, 628-647. | 5.1 | 219 |
| 8 | Generalized network modeling: Network extraction as a coarse-scale discretization of the void space of porous media. Physical Review E, 2017, 96, 013312. | 0.8 | 213 |
| 9 | Signature of Non-Fickian Solute Transport in Complex Heterogeneous Porous Media. Physical Review Letters, 2011, 107, 204502. | 2.9 | 199 |
| 10 | Predictions of non-Fickian solute transport in different classes of porous media using direct simulation on pore-scale images. Physical Review E, 2013, 87, 013011. | 0.8 | 199 |
| 11 | Pore-scale imaging of trapped supercritical carbon dioxide in sandstones and carbonates. International Journal of Greenhouse Gas Control, 2014, 22, 1-14. | 2.3 | 191 |
| 12 | Pore-scale modeling and continuous time random walk analysis of dispersion in porous media. Water Resources Research, 2006, 42, . | 1.7 | 188 |
| 13 | Pore-scale modeling of longitudinal dispersion. Water Resources Research, 2004, 40, . | 1.7 | 166 |
| 14 | The Imaging of Dynamic Multiphase Fluid Flow Using Synchrotron-Based X-ray Microtomography at Reservoir Conditions. Transport in Porous Media, 2015, 110, 1-24. | 1.2 | 153 |
| 15 | Dynamic Three-Dimensional Pore-Scale Imaging of Reaction in a Carbonate at Reservoir Conditions. Environmental Science & Technology, 2015, 49, 4407-4414. | 4.6 | 153 |
| 16 | Automatic measurement of contact angle in pore-space images. Advances in Water Resources, 2017, 109, 158-169. | 1.7 | 153 |
| 17 | Wettability in complex porous materials, the mixed-wet state, and its relationship to surface roughness. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 8901-8906. | 3.3 | 153 |
| 18 | In situ characterization of mixed-wettability in aÂreservoir rock at subsurface conditions. Scientific Reports, 2017, 7, 10753. | 1.6 | 147 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Poreâ€scale imaging of geological carbon dioxide storage under in situ conditions. Geophysical Research Letters, 2013, 40, 3915-3918. | 1.5 | 142 |
| 20 | The impact of porous media heterogeneity on non-Darcy flow behaviour from pore-scale simulation. Advances in Water Resources, 2016, 95, 329-340. | 1.7 | 137 |
| 21 | Dynamics of snap-off and pore-filling events during two-phase fluid flow in permeable media. Scientific Reports, 2017, 7, 5192. | 1.6 | 135 |
| 22 | Poreâ€scale intermittent velocity structure underpinning anomalous transport through 3â€D porous media. Geophysical Research Letters, 2014, 41, 6184-6190. | 1.5 | 131 |
| 23 | Insights into nonâ€Fickian solute transport in carbonates. Water Resources Research, 2013, 49, 2714-2728. | 1.7 | 126 |
| 24 | Imaging of oil layers, curvature and contact angle in a mixedâ€wet and a waterâ€wet carbonate rock. Water Resources Research, 2016, 52, 1716-1728. | 1.7 | 124 |
| 25 | Microstructural imaging and characterization of oil shale before and after pyrolysis. Fuel, 2017, 197, 562-574. | 3.4 | 123 |
| 26 | Poreâ€byâ€pore capillary pressure measurements using <scp>X</scp>â€ray microtomography at reservoir conditions: Curvature, snapâ€off, and remobilization of residual <scp>CO</scp><sub>2</sub>. Water Resources Research, 2014, 50, 8760-8774. | 1.7 | 119 |
| 27 | Reservoir condition imaging of reactive transport in heterogeneous carbonates using fast synchrotron tomography â€” Effect of initial pore structure and flow conditions. Chemical Geology, 2016, 428, 15-26. | 1.4 | 114 |
| 28 | Poreâ€scale modeling of transverse dispersion in porous media. Water Resources Research, 2007, 43, . | 1.7 | 111 |
| 29 | Minimal surfaces in porous media: Pore-scale imaging of multiphase flow in an altered-wettability Bentheimer sandstone. Physical Review E, 2019, 99, 063105. | 0.8 | 98 |
| 30 | Modelling capillary trapping using finite-volume simulation of two-phase flow directly on micro-CT images. Advances in Water Resources, 2015, 83, 102-110. | 1.7 | 97 |
| 31 | Simulation of Flow and Dispersion on Pore-Space Images. SPE Journal, 2012, 17, 1131-1141. | 1.7 | 96 |
| 32 | Quantification of sub-resolution porosity in carbonate rocks by applying high-salinity contrast brine using X-ray microtomography differential imaging. Advances in Water Resources, 2016, 96, 306-322. | 1.7 | 92 |
| 33 | Numerical Modelling of Sub-pore Scale Events in Two-Phase Flow Through Porous Media. Transport in Porous Media, 2014, 101, 191-213. | 1.2 | 87 |
| 34 | Imaging and Measurement of Poreâ€Scale Interfacial Curvature to Determine Capillary Pressure Simultaneously With Relative Permeability. Water Resources Research, 2018, 54, 7046-7060. | 1.7 | 87 |
| 35 | Measurement of Nonwetting-Phase Trapping in Sandpacks. SPE Journal, 2010, 15, 274-281. | 1.7 | 86 |
| 36 | Wetting boundary condition for the color-gradient lattice Boltzmann method: Validation with analytical and experimental data. Advances in Water Resources, 2018, 116, 56-66. | 1.7 | 84 |

| # | Article | IF | Citations |
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| 37 | Xâ€ray Microtomography of Intermittency in Multiphase Flow at Steady State Using a Differential Imaging Method. Water Resources Research, 2017, 53, 10274-10292. | 1.7 | 83 |
| 38 | Poreâ€scale simulation of carbonate dissolution in microâ€CT images. Journal of Geophysical Research: Solid Earth, 2016, 121, 558-576. | 1.4 | 81 |
| 39 | A numerical model of two-phase flow at the micro-scale using the volume-of-fluid method. Journal of Computational Physics, 2018, 357, 159-182. | 1.9 | 77 |
| 40 | In situ characterization of immiscible three-phase flow at the pore scale for a water-wet carbonate rock. Advances in Water Resources, 2018, 121, 446-455. | 1.7 | 72 |
| 41 | Validation of model predictions of pore-scale fluid distributions during two-phase flow. Physical Review E, 2018, 97, 053104. | 0.8 | 72 |
| 42 | A thermodynamically consistent characterization of wettability in porous media using high-resolution imaging. Journal of Colloid and Interface Science, 2019, 552, 59-65. | 5.0 | 69 |
| 43 | Dynamic reservoir-condition microtomography of reactive transport in complex carbonates: Effect of initial pore structure and initial brine pH. Geochimica Et Cosmochimica Acta, 2017, 204, 267-285. | 1.6 | 66 |
| 44 | 4D in situ synchrotron X-ray tomographic microscopy and laser-based heating study of oil shale pyrolysis. Applied Energy, 2019, 235, 1468-1475. | 5.1 | 66 |
| 45 | Modeling Oil Recovery in Mixed-Wet Rocks: Pore-Scale Comparison Between Experiment and Simulation. Transport in Porous Media, 2019, 127, 393-414. | 1.2 | 64 |
| 46 | Pore-scale X-ray imaging with measurement of relative permeability, capillary pressure and oil recovery in a mixed-wet micro-porous carbonate reservoir rock. Fuel, 2020, 268, 117018. | 3.4 | 64 |
| 47 | Enhanced gas recovery with CO2 sequestration: The effect of medium heterogeneity on the dispersion of supercritical CO2â€“CH4. International Journal of Greenhouse Gas Control, 2015, 39, 39-50. | 2.3 | 63 |
| 48 | Predictions of dynamic changes in reaction rates as a consequence of incomplete mixing using pore scale reactive transport modeling on images of porous media. Journal of Contaminant Hydrology, 2015, 179, 171-181. | 1.6 | 63 |
| 49 | Dynamic imaging of oil shale pyrolysis using synchrotron Xâ€ray microtomography. Geophysical Research Letters, 2016, 43, 6799-6807. | 1.5 | 63 |
| 50 | 4D multi-scale imaging of reactive flow in carbonates: Assessing the impact of heterogeneity on dissolution regimes using streamlines at multiple length scales. Chemical Geology, 2018, 481, 27-37. | 1.4 | 60 |
| 51 | Changes in Pore Structure and Connectivity Induced by CO2 Injection in Carbonates: A Combined Pore-Scale Approach. Energy Procedia, 2013, 37, 5367-5378. | 1.8 | 58 |
| 52 | Pore occupancy, relative permeability and flow intermittency measurements using X-ray micro-tomography in a complex carbonate. Advances in Water Resources, 2019, 129, 56-69. | 1.7 | 58 |
| 53 | Generalized network modeling of capillary-dominated two-phase flow. Physical Review E, 2018, 97, 023308. | 0.8 | 57 |
| 54 | Reaction Rates in Chemically Heterogeneous Rock: Coupled Impact of Structure and Flow Properties Studied by X-ray Microtomography. Environmental Science & Technology, 2017, 51, 4108-4116. | 4.6 | 55 |

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| 55 | Measurements of non-wetting phase trapping applied to carbon dioxide storage. International Journal of Greenhouse Gas Control, 2010, 4, 283-288. | 2.3 | 52 |
| 56 | Reservoir-condition pore-scale imaging of dolomite reaction with supercritical CO 2 acidified brine: Effect of pore-structure on reaction rate using velocity distribution analysis. International Journal of Greenhouse Gas Control, 2018, 68, 99-111. | 2.3 | 52 |
| 57 | Pore-scale numerical simulation of low salinity water flooding using the lattice Boltzmann method. Journal of Colloid and Interface Science, 2020, 566, 444-453. | 5.0 | 51 |
| 58 | Pore-to-field simulation of single-phase transport using continuous time random walks. Advances in Water Resources, 2008, 31, 1527-1539. | 1.7 | 50 |
| 59 | Poreâ€Scale Dissolution by CO<sub>2</sub> Saturated Brine in a Multimineral Carbonate at Reservoir Conditions: Impact of Physical and Chemical Heterogeneity. Water Resources Research, 2019, 55, 3171-3193. | 1.7 | 49 |
| 60 | Dynamics of enhanced gas trapping applied to CO2 storage in the presence of oil using synchrotron X-ray micro tomography. Applied Energy, 2020, 259, 114136. | 5.1 | 46 |
| 61 | Pore-scale dynamics and the multiphase Darcy law. Physical Review Fluids, 2020, 5, . | 1.0 | 46 |
| 62 | The impact of residual water on CH4-CO2 dispersion in consolidated rock cores. International Journal of Greenhouse Gas Control, 2016, 50, 100-111. | 2.3 | 40 |
| 63 | Dipping open aquifersâ€”The effect of top-surface topography and heterogeneity on CO2 storage efficiency. International Journal of Greenhouse Gas Control, 2013, 17, 318-331. | 2.3 | 37 |
| 64 | Pore-scale imaging with measurement of relative permeability and capillary pressure on the same reservoir sandstone sample under water-wet and mixed-wet conditions. Advances in Water Resources, 2020, 146, 103786. | 1.7 | 37 |
| 65 | Multicomponent mass transfer across water films during hydrocarbon gas injection. Chemical Engineering Science, 2003, 58, 2377-2388. | 1.9 | 36 |
| 66 | Non-Fickian transport in porous media with bimodal structural heterogeneity. Journal of Contaminant Hydrology, 2011, 120-121, 213-221. | 1.6 | 36 |
| 67 | Spatial Correlation of Contact Angle and Curvature in Poreâ€Space Images. Water Resources Research, 2018, 54, 6133-6152. | 1.7 | 36 |
| 68 | Validating the Generalized Pore Network Model Using Micro-CT Images of Two-Phase Flow. Transport in Porous Media, 2019, 130, 405-424. | 1.2 | 36 |
| 69 | A Rigorous Pore-to-Field-Scale Simulation Method for Single-Phase Flow Based on Continuous-Time Random Walks. SPE Journal, 2009, 14, 88-94. | 1.7 | 33 |
| 70 | Continuumâ€scale characterization of solute transport based on poreâ€scale velocity distributions. Geophysical Research Letters, 2015, 42, 7537-7545. | 1.5 | 33 |
| 71 | The Impact of Pore Structure Heterogeneity, Transport, and Reaction Conditions on Fluidâ€“Fluid Reaction Rate Studied on Images of Pore Space. Transport in Porous Media, 2016, 115, 215-237. | 1.2 | 33 |
| 72 | Intermittent fluid connectivity during two-phase flow in a heterogeneous carbonate rock. Physical Review E, 2019, 100, 043103. | 0.8 | 33 |

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| 73 | Quantification of Nonlinear Multiphase Flow in Porous Media. Geophysical Research Letters, 2021, 48, e2020GL090477. | 1.5 | 33 |
| 74 | Observations of the impact of rock heterogeneity on solute spreading and mixing. Water Resources Research, 2017, 53, 4624-4642. | 1.7 | 32 |
| 75 | In situ pore-scale analysis of oil recovery during three-phase near-miscible CO2 injection in a water-wet carbonate rock. Advances in Water Resources, 2019, 134, 103432. | 1.7 | 32 |
| 76 | Pore-Scale Imaging and Analysis of Wettability Order, Trapping and Displacement in Three-Phase Flow in Porous Media with Various Wettabilities. Transport in Porous Media, 2021, 140, 59-84. | 1.2 | 32 |
| 77 | Time-of-Flight Distributions and Breakthrough Curves in Heterogeneous Porous Media Using a Pore-Scale Streamline Tracing Algorithm. Transport in Porous Media, 2015, 109, 317-336. | 1.2 | 31 |
| 78 | Pore-scale mechanisms of CO2 storage in oilfields. Scientific Reports, 2020, 10, 8534. | 1.6 | 31 |
| 79 | Pore-scale dispersion: Bridging the gap between microscopic pore structure and the emerging macroscopic transport behavior. Physical Review E, 2016, 94, 013107. | 0.8 | 29 |
| 80 | Visualization and quantification of capillary drainage in the pore space of laminated sandstone by a porous plate method using differential imaging Xâ€ray microtomography. Water Resources Research, 2017, 53, 7457-7468. | 1.7 | 29 |
| 81 | Poreâ€space structure and average dissolution rates: A simulation study. Water Resources Research, 2016, 52, 7198-7212. | 1.7 | 28 |
| 82 | Direct Numerical Simulation of Pore-Scale Trapping Events During Capillary-Dominated Two-Phase Flow in Porous Media. Transport in Porous Media, 2021, 138, 443-458. | 1.2 | 28 |
| 83 | Measurements of Non-Wetting Phase Trapping Applied to Carbon Dioxide Storage. Energy Procedia, 2009, 1, 3173-3180. | 1.8 | 27 |
| 84 | Pore-by-pore modeling, analysis, and prediction of two-phase flow in mixed-wet rocks. Physical Review E, 2020, 102, 023302. | 0.8 | 27 |
| 85 | Verifying Pore Network Models of Imbibition in Rocks Using Timeâ€Resolved Synchrotron Imaging. Water Resources Research, 2020, 56, e2019WR026587. | 1.7 | 27 |
| 86 | Pore-scale imaging of displacement patterns in an altered-wettability carbonate. Chemical Engineering Science, 2021, 235, 116464. | 1.9 | 26 |
| 87 | Dynamics of fluid displacement in mixed-wet porous media. Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences, 2020, 476, 20200040. | 1.0 | 25 |
| 88 | Pore-scale characterization of carbon dioxide storage at immiscible and near-miscible conditions in altered-wettability reservoir rocks. International Journal of Greenhouse Gas Control, 2021, 105, 103232. | 2.3 | 25 |
| 89 | Pore-scale imaging and analysis of low salinity waterflooding in a heterogeneous carbonate rock at reservoir conditions. Scientific Reports, 2021, 11, 15063. | 1.6 | 25 |
| 90 | Investigation of longitudinal and transverse dispersion in stable displacements with a high viscosity and density contrast between the fluids. Journal of Contaminant Hydrology, 2011, 120-121, 170-183. | 1.6 | 24 |

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|---|---|---|---|
| 91 | Quantification of Uncertainty and Best Practice in Computing Interfacial Curvature from Complex Pore Space Images. Materials, 2019, 12, 2138. | 1.3 | 24 |
| 92 | Dynamics of water injection in an oil-wet reservoir rock at subsurface conditions: Invasion patterns and pore-filling events. Physical Review E, 2020, 102, 023110. | 0.8 | 23 |
| 93 | Time-resolved synchrotron X-ray micro-tomography datasets of drainage and imbibition in carbonate rocks. Scientific Data, 2018, 5, 180265. | 2.4 | 23 |
| 94 | A study to investigate viscous coupling effects on the hydraulic conductance of fluid layers in two-phase flow at the pore level. Journal of Colloid and Interface Science, 2018, 522, 299-310. | 5.0 | 22 |
| 95 | Pore-scale imaging of asphaltene-induced pore clogging in carbonate rocks. Fuel, 2021, 283, 118871. | 3.4 | 22 |
| 96 | NONWETTING PHASE RESIDUAL SATURATION IN SAND PACKS. Journal of Porous Media, 2010, 13, 591-599. | 1.0 | 22 |
| 97 | Mechanisms controlling fluid breakup and reconnection during two-phase flow in porous media. Physical Review E, 2019, 100, 043115. | 0.8 | 19 |
| 98 | Using energy balance to determine pore-scale wettability. Journal of Colloid and Interface Science, 2020, 576, 486-495. | 5.0 | 19 |
| 99 | Observations of 3-D transverse dispersion and dilution in natural consolidated rock by X-ray tomography. Advances in Water Resources, 2016, 96, 266-281. | 1.7 | 17 |
| 100 | In Situ Characterization of Threeâ€Phase Flow in Mixedâ€Wet Porous Media Using Synchrotron Imaging. Water Resources Research, 2020, 56, e2020WR027873. | 1.7 | 17 |
| 101 | Evaluation of methods using topology and integral geometry to assess wettability. Journal of Colloid and Interface Science, 2020, 576, 99-108. | 5.0 | 17 |
| 102 | Determination of contact angles for three-phase flow in porous media using an energy balance. Journal of Colloid and Interface Science, 2021, 582, 283-290. | 5.0 | 16 |
| 103 | Modelling of multispecies reactive transport on pore-space images. Advances in Water Resources, 2019, 127, 192-208. | 1.7 | 15 |
| 104 | An Experimental Study of Three-Phase Trapping in Sand Packs. Transport in Porous Media, 2014, 103, 421-436. | 1.2 | 14 |
| 105 | Pore-by-Pore Modelling, Validation and Prediction of Waterflooding in Oil-Wet Rocks Using Dynamic Synchrotron Data. Transport in Porous Media, 2021, 138, 285-308. | 1.2 | 14 |
| 106 | Dynamic fluid configurations in steady-state two-phase flow in Bentheimer sandstone. Physical Review E, 2021, 103, 013110. | 0.8 | 13 |
| 107 | Minimal Surfaces in Porous Materials: X-Ray Image-Based Measurement of the Contact Angle and Curvature in Gas Diffusion Layers to Design Optimal Performance of Fuel Cells. ACS Applied Energy Materials, 2022, 5, 4613-4621. | 2.5 | 13 |
| 108 | Dynamic Pore-scale Imaging of Reactive Transport in Heterogeneous Carbonates at Reservoir Conditions. Energy Procedia, 2014, 63, 5503-5511. | 1.8 | 12 |

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|---|---|---|---|
| 109 | Statistical Scaling of Geometric Characteristics in Millimeter Scale Natural Porous Media. Transport in Porous Media, 2014, 101, 465-475. | 1.2 | 12 |
| 110 | Reservoir Condition Pore-scale Imaging of Multiple Fluid Phases Using X-ray Microtomography. Journal of Visualized Experiments, 2015, , . | 0.2 | 12 |
| 111 | Optimization of image quality and acquisition time for lab-based X-ray microtomography using an iterative reconstruction algorithm. Advances in Water Resources, 2018, 115, 112-124. | 1.7 | 12 |
| 112 | Mechanisms of Microscopic Displacement During Enhanced Oil Recovery in Mixed-Wet Rocks Revealed Using Direct Numerical Simulation. Transport in Porous Media, 2019, 130, 731-749. | 1.2 | 12 |
| 113 | Disconnected Gas Transport in Steadyâ€State Threeâ€Phase Flow. Water Resources Research, 2021, 57, e2021WR031147. | 1.7 | 11 |
| 114 | Three-phase flow displacement dynamics and Haines jumps in a hydrophobic porous medium. Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences, 2020, 476, 20200671. | 1.0 | 10 |
| 115 | Slow flow across macroscopically semi-circular fibre lattices and a free-flow region of variable widthâ€”visualisation by magnetic resonance imaging. Chemical Engineering Science, 2004, 59, 2089-2103. | 1.9 | 9 |
| 116 | Modelling and upscaling of transport in carbonates during dissolution: Validation and calibration with NMR experiments. Journal of Contaminant Hydrology, 2018, 212, 85-95. | 1.6 | 9 |
| 117 | A New Waterflood Initialization Protocol With Wettability Alteration for Pore-Scale Multiphase Flow Experiments. Petrophysics, 2019, 60, 264-272. | 0.2 | 9 |
| 118 | Nonlinear multiphase flow in hydrophobic porous media. Journal of Fluid Mechanics, 2022, 934, . | 1.4 | 9 |
| 119 | Pore-scale imaging of asphaltene deposition with permeability reduction and wettability alteration. Fuel, 2022, 316, 123202. | 3.4 | 9 |
| 120 | Simulation of Flow and Dispersion on Pore-Space Images. , 2010, , . | | 8 |
| 121 | Evolution and persistence of cross-directional statistical dependence during finite-PÃ©clet transport through a real porous medium. Water Resources Research, 2016, 52, 8920-8937. | 1.7 | 8 |
| 122 | Pore-scale Imaging and Characterization of Hydrocarbon Reservoir Rock Wettability at Subsurface Conditions Using X-ray Microtomography. Journal of Visualized Experiments, 2018, , . | 0.2 | 8 |
| 123 | Drainage Capillary Pressure Distribution and Fluid Displacement in a Heterogeneous Laminated Sandstone. Geophysical Research Letters, 2021, 48, e2021GL093604. | 1.5 | 7 |
| 124 | Generalized network modelling of two-phase flow in a water-wet and mixed-wet reservoir sandstone: Uncertainty and validation with experimental data. Advances in Water Resources, 2022, 164, 104194. | 1.7 | 6 |
| 125 | Pore-scale processes in tertiary low salinity waterflooding in a carbonate rock: Micro-dispersions, water film growth, and wettability change. Journal of Colloid and Interface Science, 2022, 628, 486-498. | 5.0 | 6 |
| 126 | Trajectories as Training Images to Simulate Advectiveâ€Diffusive, Nonâ€Fickian Transport. Water Resources Research, 2019, 55, 3465-3480. | 1.7 | 5 |

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| 127 | Multispecies Reactive Transport in a Microporous Rock: Impact of Flow Heterogeneity and Reversibility of Reaction. Water Resources Research, 2020, 56, e2020WR027317. | 1.7 | 5 |
| 128 | A continuous time random walk method to predict dissolution in porous media based on validation of experimental NMR data. Advances in Water Resources, 2021, 149, 103847. | 1.7 | 5 |
| 129 | Three-Phase Flow Visualization and Characterization for a Mixed-Wet Carbonate Rock. , 2018, , . | | 4 |
| 130 | Reservoir Condition Pore Scale Imaging of the Capillary Trapping of CO2. Energy Procedia, 2014, 63, 5427-5434. | 1.8 | 3 |
| 131 | Dynamic Pore-scale Reservoir-condition Imaging of Reaction in Carbonates Using Synchrotron Fast Tomography. Journal of Visualized Experiments, 2017, , . | 0.2 | 3 |
| 132 | In situ Wettability Measurement in a Carbonate Reservoir Rock at High Temperature and Pressure. , 2017, , . | | 3 |
| 133 | A Rigorous Pore-to-Field-Scale Simulation Methodology for Single-Phase Flow Based on Continuous Time Random Walks. , 2007, , . | | 2 |
| 134 | iSCAL for Complete Rock Characterization: Using Pore-Scale Imaging to Determine Relative Permeability and Capillary Pressure. , 2019, , . | | 2 |
| 135 | Wettability Characterization from Pore-Scale Images Using Topology and Energy Balance with Implications for Recovery and Storage. , 2021, , . | | 2 |
| 136 | Local Capillary Pressure Estimation Based on Curvature of the Fluid Interface â€“ Validation with Two-Phase Direct Numerical Simulations. E3S Web of Conferences, 2020, 146, 04003. | 0.2 | 1 |
| 137 | Direct Multiphase Numerical Simulation on Mixed-Wet Reservoir Carbonates. , 2018, , . | | 0 |
| 138 | Editorial. Journal of Contaminant Hydrology, 2018, 212, 1-2. | 1.6 | 0 |