

Boming Yu

List of Publications by Year in descending order

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| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 1 | AN ANALYTICAL MODEL FOR EFFECTIVE THERMAL CONDUCTIVITY OF THE MEDIA EMBEDDED WITH FRACTURE NETWORKS OF POWER LAW LENGTH DISTRIBUTIONS. <i>Fractals</i> , 2022, 30, . | 3.7 | 4 |
| 2 | FRACTAL CHARACTERISTICS OF LOW-PERMEABILITY SANDSTONE RESERVOIRS. <i>Fractals</i> , 2022, 30, . | 3.7 | 4 |
| 3 | A FRACTAL-MONTE CARLO APPROACH TO MODEL OIL AND WATER TWO-PHASE SEEPAGE IN LOW-PERMEABILITY RESERVOIRS WITH ROUGH SURFACES. <i>Fractals</i> , 2021, 29, 2150003. | 3.7 | 32 |
| 4 | A FRACTAL MODEL FOR PREDICTING OXYGEN EFFECTIVE DIFFUSIVITY OF POROUS MEDIA WITH ROUGH SURFACES UNDER DRY AND WET CONDITIONS. <i>Fractals</i> , 2021, 29, 2150076. | 3.7 | 31 |
| 5 | A MULTI-FIELD COUPLED SEEPAGE MODEL FOR COAL SEAM WITH FRACTURES OF POWER LAW LENGTH DISTRIBUTIONS. <i>Fractals</i> , 2021, 29, 2150140. | 3.7 | 2 |
| 6 | PERMEABILITY MODELS FOR TWO-PHASE FLOW IN FRACTAL POROUS-FRACTURE MEDIA WITH THE TRANSFER OF FLUIDS FROM POROUS MATRIX TO FRACTURE. <i>Fractals</i> , 2021, 29, 2150148. | 3.7 | 5 |
| 7 | Transport property and application of tree-shaped network. , 2021, , 141-163. | | 2 |
| 8 | FRACTAL ANALYSIS OF DIGIT ROCK CORES. <i>Fractals</i> , 2020, 28, 2050144. | 3.7 | 33 |
| 9 | ANALYSIS OF PERMEABILITY EVOLUTION CHARACTERISTICS BASED ON DUAL FRACTAL COUPLING MODEL FOR COAL SEAM. <i>Fractals</i> , 2020, 28, 2050133. | 3.7 | 19 |
| 10 | A COMPREHENSIVE MODEL FOR OIL&WATER RELATIVE PERMEABILITIES IN LOW-PERMEABILITY RESERVOIRS BY FRACTAL THEORY. <i>Fractals</i> , 2020, 28, 2050055. | 3.7 | 9 |
| 11 | A generalized thermal conductivity model for unsaturated porous media with fractal geometry. <i>International Journal of Heat and Mass Transfer</i> , 2020, 152, 119540. | 4.8 | 44 |
| 12 | STUDY ON EVOLUTION OF FRACTAL DIMENSION FOR FRACTURED COAL SEAM UNDER MULTI-FIELD COUPLING. <i>Fractals</i> , 2020, 28, 2050072. | 3.7 | 34 |
| 13 | A FRACTAL PERMEABILITY MODEL FOR POROUS&FRACTURE MEDIA WITH THE TRANSFER OF FLUIDS FROM POROUS MATRIX TO FRACTURE. <i>Fractals</i> , 2019, 27, 1950121. | 3.7 | 27 |
| 14 | SEEPAGE PROPERTIES OF ROCK FRACTURES WITH POWER LAW LENGTH DISTRIBUTIONS. <i>Fractals</i> , 2019, 27, 1950057. | 3.7 | 15 |
| 15 | A novel fractal model for permeability of damaged tree-like branching networks. <i>International Journal of Heat and Mass Transfer</i> , 2018, 127, 278-285. | 4.8 | 34 |
| 16 | FRACTAL ANALYSIS OF FLOW RESISTANCE IN TREE-LIKE BRANCHING NETWORKS WITH ROUGHENED MICROCHANNELS. <i>Fractals</i> , 2017, 25, 1750008. | 3.7 | 88 |
| 17 | Analysis of permeabilities for slug flow in fractal porous media. <i>International Communications in Heat and Mass Transfer</i> , 2017, 88, 194-202. | 5.6 | 31 |
| 18 | Transport Phenomena and Properties in Treelike Networks. <i>Applied Mechanics Reviews</i> , 2016, 68, . | 10.1 | 94 |

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| 19 | Analysis of axial thermal conductivity of dual-porosity fractal porous media with random fractures. International Journal of Heat and Mass Transfer, 2016, 102, 884-890. | 4.8 | 63 |
| 20 | Optimal structure of damaged tree-like branching networks for the equivalent thermal conductivity. International Journal of Thermal Sciences, 2016, 102, 89-99. | 4.9 | 43 |
| 21 | Transport Phenomena in Porous Media and Fractal Geometry. Journal of Chemistry, 2015, 2015, 1-2. | 1.9 | 1 |
| 22 | Fractal analysis of permeability of dual-porosity media embedded with random fractures. International Journal of Heat and Mass Transfer, 2015, 88, 814-821. | 4.8 | 102 |
| 23 | Analysis of electroosmotic characters in fractal porous media. Chemical Engineering Science, 2015, 127, 202-209. | 3.8 | 29 |
| 24 | Minimum applied pressure for a drop through an abruptly constricted capillary. Microfluidics and Nanofluidics, 2015, 19, 1-8. | 2.2 | 30 |
| 25 | Permeability model for fractal porous media with rough surfaces. Microfluidics and Nanofluidics, 2015, 18, 1085-1093. | 2.2 | 88 |
| 26 | A fractal analysis of permeability for fractured rocks. International Journal of Heat and Mass Transfer, 2015, 81, 75-80. | 4.8 | 219 |
| 27 | NUMERICAL SIMULATION OF TORTUOSITY FOR FLUID FLOW IN TWO-DIMENSIONAL PORE FRACTAL MODELS OF POROUS MEDIA. Fractals, 2014, 22, 1450015. | 3.7 | 40 |
| 28 | FRACTAL ANALYSIS OF HYDRAULICS IN POROUS MEDIA WITH WALL EFFECTS. Fractals, 2014, 22, 1440001. | 3.7 | 8 |
| 29 | Fractal analysis of permeability near the wall in porous media. International Journal of Modern Physics C, 2014, 25, 1450021. | 1.7 | 8 |
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| 33 | A fractal model for spherical seepage in porous media. International Communications in Heat and Mass Transfer, 2014, 58, 71-78. | 5.6 | 26 |
| 34 | Analysis of thermal conductivity in living biological tissue with vascular network and convection. International Journal of Thermal Sciences, 2014, 86, 219-226. | 4.9 | 35 |
| 35 | A fractal analysis of laminar flow resistance in roughened microchannels. International Journal of Heat and Mass Transfer, 2014, 77, 208-217. | 4.8 | 89 |
| 36 | A COMPREHENSIVE ANALYSIS OF THE SEEPAGE CHARACTERS OF NON-NEWTONIAN FLUIDS IN FRACTAL POROUS MEDIA. Journal of Porous Media, 2014, 17, 1031-1044. | 1.9 | 9 |

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| 38 | Radial permeability of fractured porous media by Monte Carlo simulations. International Journal of Heat and Mass Transfer, 2013, 57, 369-374. | 4.8 | 59 |
| 39 | A fractal model for gaseous leak rates through contact surfaces under non-isothermal condition. Applied Thermal Engineering, 2013, 52, 54-61. | 6.0 | 23 |
| 40 | Fractal analysis of the effective thermal conductivity of biological media embedded with randomly distributed vascular trees. International Journal of Heat and Mass Transfer, 2013, 67, 74-80. | 4.8 | 34 |
| 41 | A fractal model for gas slippage factor in porous media in the slip flow regime. Chemical Engineering Science, 2013, 87, 209-215. | 3.8 | 88 |
| 42 | Research on the effective gas diffusion coefficient in dry porous media embedded with a fractal-like tree network. Physica A: Statistical Mechanics and Its Applications, 2013, 392, 1557-1566. | 2.6 | 45 |
| 43 | A fractal permeability model for gas flow through dual-porosity media. Journal of Applied Physics, 2012, 111, . | 2.5 | 83 |
| 44 | A diffusivity model for gas diffusion through fractal porous media. Chemical Engineering Science, 2012, 68, 650-655. | 3.8 | 114 |
| 45 | A fractal model for the starting pressure gradient for Bingham fluids in porous media embedded with randomly distributed fractal-like tree networks. Advances in Water Resources, 2011, 34, 1574-1580. | 3.8 | 29 |
| 46 | Analysis of Seepage for Power-Law Fluids in the Fractal-Like Tree Network. Transport in Porous Media, 2011, 87, 191-206. | 2.6 | 14 |
| 47 | A Discussion of the Effect of Tortuosity on the Capillary Imbibition in Porous Media. Transport in Porous Media, 2011, 89, 251-263. | 2.6 | 365 |
| 48 | A numerical study on growth mechanism of dropwise condensation. International Journal of Heat and Mass Transfer, 2011, 54, 2004-2013. | 4.8 | 44 |
| 49 | A fractal model for the starting pressure gradient for Bingham fluids in porous media embedded with fractal-like tree networks. International Journal of Heat and Mass Transfer, 2011, 54, 4491-4494. | 4.8 | 37 |
| 50 | Study of the effect of capillary pressure on the permeability of porous media embedded with a fractal-like tree network. International Journal of Multiphase Flow, 2011, 37, 507-513. | 3.4 | 28 |
| 51 | Transmission probability for Knudsen diffusion in a single chamber-throat pore. Vacuum, 2011, 85, 1017-1020. | 3.5 | 5 |
| 52 | An Overview: Analysis of Heat and Mass Transfer in Fractal Media by Fractal Geometry and Technique. , 2010, , . | | 0 |
| 53 | Turbulent impinging jet heat transfer enhancement due to intermittent pulsation. International Journal of Thermal Sciences, 2010, 49, 1247-1252. | 4.9 | 104 |
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| 57 | Fractal analysis of invasion depth of extraneous fluids in porous media. Chemical Engineering Science, 2010, 65, 5178-5186. | 3.8 | 147 |
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| 59 | A HIERARCHICAL MODEL FOR MULTI-PHASE FRACTAL MEDIA. Fractals, 2010, 18, 53-64. | 3.7 | 4 |
| 60 | PREDICTION OF MAXIMUM PORE SIZE OF POROUS MEDIA BASED ON FRACTAL GEOMETRY. Fractals, 2010, 18, 417-423. | 3.7 | 81 |
| 61 | Fractal Characterization of Spontaneous Co-current Imbibition in Porous Media. Energy & Fuels, 2010, 24, 1860-1867. | 5.1 | 300 |
| 62 | Heat transfer under a pulsed slot turbulent impinging jet at large temperature differences. Thermal Science, 2010, 14, 271-281. | 1.1 | 34 |
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| 65 | A new comprehensive model for nucleate pool boiling heat transfer of pure liquid at low to high heat fluxes including CHF. International Journal of Heat and Mass Transfer, 2009, 52, 4203-4210. | 4.8 | 32 |
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| 67 | A fractal model for heat transfer of nanofluids by convection in a pool. Physics Letters, Section A: General, Atomic and Solid State Physics, 2009, 373, 4178-4181. | 2.1 | 48 |
| 68 | On the Physical Properties of Apparent Two-Phase Fractal Porous Media. Vadose Zone Journal, 2009, 8, 177-186. | 2.2 | 88 |
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| 74 | Analysis of Flow in Fractal Porous Media. Applied Mechanics Reviews, 2008, 61, . | 10.1 | 374 |
| 75 | ANALYSIS OF PERMEABILITY FOR ELLIS FLUID FLOW IN FRACTAL POROUS MEDIA. Chemical Engineering Communications, 2008, 195, 1240-1256. | 2.6 | 10 |
| 76 | Fractal Model for Thermal Contact Conductance. Journal of Heat Transfer, 2008, 130, . | 2.1 | 50 |
| 77 | A FRACTAL ANALYSIS OF SUBCOOLED NUCLEATE POOL BOILING. Fractals, 2008, 16, 1-9. | 3.7 | 12 |
| 78 | Fractal Theory on Drying: A Review. Drying Technology, 2008, 26, 640-650. | 3.1 | 35 |
| 79 | FRACTAL DIMENSION FOR TORTUOUS STREAMTUBES IN POROUS MEDIA. Fractals, 2007, 15, 385-390. | 3.7 | 47 |
| 80 | STUDY OF THE EFFECT OF CAPILLARY PRESSURE ON PERMEABILITY. Fractals, 2007, 15, 55-62. | 3.7 | 16 |
| 81 | A FRACTAL MODEL FOR RELATIVE PERMEABILITY OF UNSATURATED POROUS MEDIA WITH CAPILLARY PRESSURE EFFECT. Fractals, 2007, 15, 217-222. | 3.7 | 19 |
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| 83 | A self-similarity model for dielectric constant of porous ultra low- κ dielectrics. Journal Physics D: Applied Physics, 2007, 40, 5377-5382. | 2.8 | 9 |
| 84 | The effective thermal conductivity of nanofluids based on the nanolayer and the aggregation of nanoparticles. Journal Physics D: Applied Physics, 2007, 40, 3164-3171. | 2.8 | 160 |
| 85 | Comments on "Fractal Fragmentation, Soil Porosity, and Soil Water Properties: I. Theory" Soil Science Society of America Journal, 2007, 71, 632-632. | 2.2 | 6 |
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| 102 | Geometrical Models for Tortuosity of Streamlines in Three-Dimensional Porous Media. <i>Canadian Journal of Chemical Engineering</i> , 2006, 84, 301-309. | 1.7 | 44 |
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| 106 | Discussion: "A Numerical Study of Thermal Dispersion in Porous Media" and "Numerical Determination of Thermal Dispersion Coefficients Using a Periodic Porous Structure"; <i>Journal of Heat Transfer</i> , 2004, 126, 1060-1061. | 2.1 | 3 |
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| 110 | Permeabilities of unsaturated fractal porous media. International Journal of Multiphase Flow, 2003, 29, 1625-1642. | 3.4 | 143 |
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| 115 | A Fractal Model for Nucleate Pool Boiling Heat Transfer. Journal of Heat Transfer, 2002, 124, 1117-1124. | 2.1 | 56 |
| 116 | Fractal Models for the Effective Thermal Conductivity of Bidispersed Porous Media. Journal of Thermophysics and Heat Transfer, 2002, 16, 22-29. | 1.6 | 120 |
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| 122 | SOME FRACTAL CHARACTERS OF POROUS MEDIA. Fractals, 2001, 09, 365-372. | 3.7 | 666 |
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