

Georgy G Tsypkin

List of Publications by Year in descending order

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Version: 2024-02-01

19
papers

250
citations

933447

10
h-index

940533

16
g-index

19
all docs

19
docs citations

19
times ranked

77
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | Mathematical Models of Gas Hydrates Dissociation in Porous Media. Annals of the New York Academy of Sciences, 2000, 912, 428-436. | 3.8 | 43 |
| 2 | Gravitational Stability of the Interface in Water Over Steam Geothermal Reservoirs. Transport in Porous Media, 2004, 55, 183-199. | 2.6 | 31 |
| 3 | Formation of carbon dioxide hydrate at the injection of carbon dioxide into a depleted hydrocarbon field. Fluid Dynamics, 2014, 49, 789-795. | 0.9 | 29 |
| 4 | Instability of the salinity profile during the evaporation of saline groundwater. Journal of Fluid Mechanics, 2008, 614, 87-104. | 3.4 | 28 |
| 5 | Catastrophic transition to instability of evaporation front in a porous medium. European Journal of Mechanics, B/Fluids, 2008, 27, 665-677. | 2.5 | 27 |
| 6 | Transition to instability of the interface in geothermal systems. European Journal of Mechanics, B/Fluids, 2005, 24, 491-501. | 2.5 | 16 |
| 7 | Numerical simulation of convective flows in a soil during the evaporation of water containing a dissolved admixture. Fluid Dynamics, 2014, 49, 634-644. | 0.9 | 14 |
| 8 | Influence of capillary forces on water injection into hot rock, saturated with superheated vapour. International Journal of Heat and Mass Transfer, 2007, 50, 3195-3202. | 4.8 | 13 |
| 9 | Influence of capillary pressure gradient on connectivity of flow through a porous medium. International Journal of Heat and Mass Transfer, 2018, 127, 1053-1063. | 4.8 | 13 |
| 10 | Analytical study of CO ₂ –CH ₄ exchange in hydrate at high rates of carbon dioxide injection into a reservoir saturated with methane hydrate and gaseous methane. Energy, 2021, 233, 121115. | 8.8 | 13 |
| 11 | A mathematical model of carbon dioxide flooding with hydrate formation. Doklady Physics, 2014, 59, 463-466. | 0.7 | 5 |
| 12 | Numerical simulation of precipitate formation during the boiling of salt solution in a geothermal reservoir. Fluid Dynamics, 2015, 50, 558-565. | 0.9 | 5 |
| 13 | Superheating of water and morphological instability of the boiling front moving in the low-permeability rock. International Journal of Heat and Mass Transfer, 2021, 167, 120820. | 4.8 | 4 |
| 14 | Rigid transition to the Rayleigh-Taylor instability of interface in a porous medium. Doklady Physics, 2006, 51, 523-527. | 0.7 | 3 |
| 15 | Influence of advective transfer of energy on stability of water over steam in geothermal systems. Doklady Physics, 2011, 56, 227-231. | 0.7 | 3 |
| 16 | A mathematical model for the freezing of a water-saturated porous medium. USSR Computational Mathematics and Mathematical Physics, 1986, 26, 91-95. | 0.0 | 2 |
| 17 | Mathematical model of salt precipitation due to groundwater evaporation. Doklady Physics, 2003, 48, 198-201. | 0.7 | 1 |
| 18 | Solution nonuniqueness for the problem of salt precipitation due to the evaporation of ground water. Doklady Physics, 2005, 50, 320-323. | 0.7 | 0 |

| # | ARTICLE | IF | CITATIONS |
|----|--|----|-----------|
| 19 | Long-Wave Transition To Instability of Flows in Horizontally Extended Domains of Porous Media. , 0, , 291-301. | | 0 |