

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

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