

Sergei A Boronin

List of Publications by Year in descending order

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Version: 2024-02-01

22
papers

188
citations

1307594

7
h-index

1058476

14
g-index

22
all docs

22
docs citations

22
times ranked

109
citing authors

#	ARTICLE	IF	CITATIONS
1	Two-continua model of suspension flow in a hydraulic fracture. Doklady Physics, 2010, 55, 199-202.	0.7	31
2	Effects of particle migration on suspension flow in a hydraulic fracture. Fluid Dynamics, 2014, 49, 208-221.	0.9	27
3	Non-modal stability of round viscous jets. Journal of Fluid Mechanics, 2013, 716, 96-119.	3.4	24
4	Multi-fluid model of suspension filtration in a porous medium. Fluid Dynamics, 2015, 50, 759-768.	0.9	21
5	Stability of a disperse-mixture flow in a boundary layer. Fluid Dynamics, 2008, 43, 66-76.	0.9	12
6	Investigation of the stability of a plane-channel suspension flow with account for finite particle volume fraction. Fluid Dynamics, 2008, 43, 873-884.	0.9	12
7	Lubrication model of suspension flow in a hydraulic fracture with frictional rheology for shear-induced migration and jamming. Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences, 2019, 475, 20190039.	2.1	12
8	Optimal disturbances of a dusty-gas plane-channel flow with a nonuniform distribution of particles. Fluid Dynamics, 2012, 47, 351-363.	0.9	7
9	Damage to formation surrounding flooding wells: modelling of suspension filtration with account of particle trapping and mobilization. Journal of Physics: Conference Series, 2017, 925, 012009.	0.4	7
10	Effect of settling particles on the stability of a particle-laden flow in a vertical plane channel. Physics of Fluids, 2018, 30, 034102.	4.0	7
11	Stability of the plane Couette flow of a disperse medium with a finite volume fraction of the particles. Fluid Dynamics, 2011, 46, 64-71.	0.9	6
12	Modal and non-modal stability of dusty-gas boundary layer flow. Fluid Dynamics, 2014, 49, 770-782.	0.9	5
13	Nonmodal instability of a stratified plane-channel suspension flow with fine particles. Physical Review E, 2016, 93, 033107.	2.1	4
14	Modelling of Injection Well Capacity with Account for Permeability Damage in the Near-Wellbore Zone for Oil Fields in Western Siberia (Russian). , 2017, , .		3
15	MULTI-FLUID MODEL FOR SUSPENSION FILTRATION IN POROUS MEDIA: EFFECTS OF PARTICLE TRAPPING AND MOBILIZATION. , 2017, , .		3
16	Hydrodynamic stability of stratified suspension flow in a plane channel. Doklady Physics, 2009, 54, 536-539.	0.7	2
17	Multigrid pressure solver for 2D displacement problems in drilling, cementing, fracturing and EOR. Journal of Petroleum Science and Engineering, 2021, 196, 107918.	4.2	2
18	Modelling of Injection Well Capacity with Account for Permeability Damage in the Near-Wellbore Zone for Oil Fields in Western Siberia. , 2017, , .		1

#	ARTICLE	IF	CITATIONS
19	Flow of viscoplastic suspensions in a hydraulic fracture: implications to overflush. Journal of Physics: Conference Series, 2017, 894, 012014.	0.4	1
20	Stability of a disperse-mixture flow in a boundary layer. Fluid Dynamics, 2008, 43, 66-76.	0.9	1
21	Hydrodynamic stability of a stratified suspension flow in a plane channel. Springer Proceedings in Physics, 2009, , 913-913.	0.2	0
22	Stability of a vertical Couette flow in the presence of settling particles. Physics of Fluids, 2020, 32, 024104.	4.0	0