

Oscar Rabinovich

List of Publications by Year in descending order

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Version: 2024-02-01

21
papers

148
citations

1307594

7
h-index

1199594

12
g-index

21
all docs

21
docs citations

21
times ranked

127
citing authors

#	ARTICLE	IF	CITATIONS
1	Microstructural aspects of gasless combustion of mechanically activated mixtures. I. High-speed microvideorecording of the Ni-Al composition. <i>Combustion, Explosion and Shock Waves</i> , 2006, 42, 421-429.	0.8	36
2	A model for catalytic synthesis of carbon nanotubes in a fluidized-bed reactor: Effect of reaction heat. <i>Chemical Engineering Journal</i> , 2017, 329, 305-311.	12.7	17
3	Extremum of the percolation cluster surface. <i>Journal of Experimental and Theoretical Physics</i> , 2003, 96, 301-309.	0.9	14
4	Fast pyrolysis of an ensemble of biomass particles in a fluidized bed. <i>Journal of Engineering Physics and Thermophysics</i> , 2010, 83, 742-752.	0.6	14
5	Simulation of transient processes of the catalytic synthesis of carbon nanotubes in a fluidized bed. <i>Theoretical Foundations of Chemical Engineering</i> , 2014, 48, 1-12.	0.7	12
6	Percolation Phase Transition in Combustion of Heterogeneous Mixtures. <i>Combustion, Explosion and Shock Waves</i> , 2004, 40, 408-418.	0.8	11
7	Effect of heat losses on propagation of stationary low-temperature filtration combustion waves with forced filtration of the gas-oxidizer. <i>Combustion, Explosion and Shock Waves</i> , 1984, 20, 29-35.	0.8	9
8	Modeling of fast pyrolysis of a single biomass particle in an inert boiling bed. <i>Journal of Engineering Physics and Thermophysics</i> , 2009, 82, 611-622.	0.6	6
9	Effect of random internal structure on combustion of binary powder mixtures. <i>Physical Review E</i> , 2005, 71, 026116.	2.1	5
10	Theoretical analysis and modeling of the obtaining of polycrystalline silicon in a fluidized-bed reactor. <i>Journal of Engineering Physics and Thermophysics</i> , 2005, 78, 47-53.	0.6	4
11	Fast and slow modes of the propagation of the combustion front in heterogeneous systems. <i>JETP Letters</i> , 2006, 84, 11-15.	1.4	4
12	Surfaces of percolation systems in lattice problems. <i>Physical Review E</i> , 2003, 67, 046103.	2.1	3
13	Initiation of low-temperature filtration combustion waves for porous systems. <i>Combustion, Explosion and Shock Waves</i> , 1988, 23, 377-384.	0.8	2
14	Title is missing!. <i>Journal of Engineering Physics and Thermophysics</i> , 2003, 76, 325-334.	0.6	2
15	Local conductivity of a fluidized bed consisting of conducting particles. <i>Journal of Engineering Physics and Thermophysics</i> , 2012, 85, 251-258.	0.6	2
16	Critical Phenomena and Structural Effects in Combustion of Disordered Heterogeneous Mixtures. <i>Heat Transfer Research</i> , 2007, 38, 57-69.	1.6	2
17	Regularities of the propagation of the standing countercurrent wave of an exothermal reaction in forced filtration of an oxidizing gas through porous material. <i>Journal of Engineering Physics</i> , 1983, 44, 62-67.	0.0	1
18	Influence of the Random Structure of an Initial Material on the Processes of Self-Propagating High-Temperature Synthesis in Thin Films. <i>Journal of Engineering Physics and Thermophysics</i> , 2004, 77, 565-577.	0.6	1

#	ARTICLE	IF	CITATIONS
19	Investigation of the composition of biomass-gasification products in a pseudoliquid layer. Journal of Engineering Physics and Thermophysics, 2007, 80, 322-328.	0.6	1
20	Improving the Performance of an Adsorption Heat Converter in Condensation and Evaporation of the Adsorbate in Sorbent Pores. Journal of Engineering Physics and Thermophysics, 2013, 86, 1259-1272.	0.6	1
21	Modes of infiltration burning in a porous condensed system with repeated reaction waves. Journal of Engineering Physics, 1984, 46, 59-63.	0.0	1