

Uldis Strautins

List of Publications by Year in descending order

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Version: 2024-02-01

18
papers

139
citations

1684188

5
h-index

1588992

8
g-index

18
all docs

18
docs citations

18
times ranked

163
citing authors

#	ARTICLE	IF	CITATIONS
1	Nonstationary oscillations in gyrotrons. Physics of Plasmas, 2001, 8, 4608-4612.	1.9	40
2	Flow-driven orientation dynamics of semiflexible fiber systems. Rheologica Acta, 2007, 46, 1057-1064.	2.4	30
3	Comparative numerical study of two concentrated fiber suspension models. Journal of Non-Newtonian Fluid Mechanics, 2010, 165, 764-781.	2.4	24
4	SIMPLE MODELS FOR WALL EFFECT IN FIBER SUSPENSION FLOWS. Mathematical Modelling and Analysis, 2014, 19, 75-84.	1.5	12
5	Development of gasification/combustion characteristics at thermo-chemical conversion of biomass mixtures. , 2017, , .		8
6	ON NUMERICAL SIMULATION OF ELECTROMAGNETIC FIELD EFFECTS IN THE COMBUSTION PROCESS. Mathematical Modelling and Analysis, 2018, 23, 327-343.	1.5	7
7	Magnetic Field Control of Combustion Dynamics. Latvian Journal of Physics and Technical Sciences, 2016, 53, 36-47.	0.6	6
8	Electric Field Effect on the Thermal Decomposition and Co-combustion of Straw with Solid Fuel Pellets. Energies, 2019, 12, 1522.	3.1	4
9	Analysis of equations arising in gyrotron theory. Nonlinear Analysis: Modelling and Control, 2012, 17, 139-152.	1.6	4
10	Effects of gradient magnetic field on swirling flame dynamics. , 2017, , .		3
11	Mathematical Modeling on Electromagnetic field Control of the Combustion Process. , 2017, , .		1
12	Some network models related to heat and mass transfer during thermal conversion of biomass. , 2021, , .		0
13	Network model for thermal conversion of heterogeneous biomass granules. , 2021, , .		0
14	On Stability of a Concentrated Fiber Suspension Flow. Mathematics in Industry, 2014, , 127-133.	0.3	0
15	Mathematical modelling on electromagnetic field control of the combustion process. Magnetohydrodynamics, 2017, 53, 687-698.	0.3	0
16	Influence of electric field on thermo-chemical conversion of mixtures of straw pellets with coal. , 2018, , .		0
17	Numerical study of electrodynamic control of straw co-firing with propane. , 2019, , .		0
18	MATHEMATICAL MODELLING AND EXPERIMENTAL STUDY OF STRAW CO-FIRING WITH GAS. Mathematical Modelling and Analysis, 2019, 24, 507-529.	1.5	0