

Mykhaylo Petryk

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/771741/publications.pdf>

Version: 2024-02-01

23
papers

158
citations

1307594

7
h-index

1199594

12
g-index

23
all docs

23
docs citations

23
times ranked

50
citing authors

#	ARTICLE	IF	CITATIONS
1	Experimental and computer simulation studies of dehydration on microporous adsorbent of natural gas used as motor fuel. <i>Fuel</i> , 2019, 239, 1324-1330.	6.4	28
2	Numerical and analytical modeling of solid-liquid expression from soft plant materials. <i>AIChE Journal</i> , 2013, 59, 4762-4771.	3.6	20
3	Competitive Diffusion of Gases in a Zeolite Bed: NMR and Slice Selection Procedure, Modeling, and Parameter Identification. <i>Journal of Physical Chemistry C</i> , 2015, 119, 26519-26525.	3.1	19
4	Modeling of gas transport in a microporous solid using a slice selection procedure: Application to the diffusion of benzene in ZSM5. <i>Catalysis Today</i> , 2008, 139, 234-240.	4.4	17
5	Competitive diffusion of gases in a zeolite using proton NMR and a slice selection procedure. <i>Catalysis Today</i> , 2012, 187, 104-107.	4.4	14
6	Liquid flowing from porous particles during the pressing of biological materials. <i>Computers and Chemical Engineering</i> , 2007, 31, 1336-1345.	3.8	12
7	Highly Efficient Methods of the Identification of Competitive Diffusion Parameters in Inhomogeneous Media of Nanoporous Particles. <i>Cybernetics and Systems Analysis</i> , 2015, 51, 529-546.	0.7	8
8	High-Performance Supercomputer Technologies of Simulation of Nanoporous Feedback Systems for Adsorption Gas Purification. <i>Cybernetics and Systems Analysis</i> , 2020, 56, 835-847.	0.7	7
9	Spectrum and normalized modes of acoustic phonons in multilayer nitride-based nanostructure. <i>European Physical Journal B</i> , 2020, 93, 1.	1.5	7
10	Identifying kinetic parameters of mass transfer in components of multicomponent heterogeneous nanoporous media of a competitive diffusion system. <i>Cybernetics and Systems Analysis</i> , 2011, 47, 705-723.	0.7	6
11	Modern Hardware and Software Solution for Identification of Abnormal Neurological Movements of Patients with Essential Tremor. , 2019, , .		6
12	Competitive Adsorption and Diffusion of Gases in a Microporous Solid. , 2020, , .		4
13	Mathematical Modeling of Hydrocarbons Adsorption in Nanoporous Catalyst Media using Nonlinear Langmuir's Isotherm using Activation Energy. , 2019, , .		3
14	Theory of the shear acoustic phonons spectrum and their interaction with electrons due to the piezoelectric potential in AlN/GaN nanostructures of plane symmetry. <i>Low Temperature Physics</i> , 2021, 47, 141-154.	0.6	3
15	Mathematical modeling of mass transfer in symmetric heterogeneous and nanoporous media with a system of n-interface interactions. <i>Cybernetics and Systems Analysis</i> , 2007, 43, 94-111.	0.7	2
16	High-Performance Supercomputer Technologies of Simulation and Identification of Nanoporous Systems with Feedback for n-Component Competitive Adsorption. <i>Cybernetics and Systems Analysis</i> , 2021, 57, 316-328.	0.7	1
17	Influence of the Space Charge on Tunneling of Electrons and Their Conductivity by the Resonance Tunneling Structures in the Constant Electric Field. <i>Journal of Nano- and Electronic Physics</i> , 2017, 9, 03030-1-03030-8.	0.5	1
18	High-performance Analyzing Methods for Tremorobjects Abnormal States of Neuro-biosystems with Cognitive Feedbacks. , 2020, , .		0

#	ARTICLE	IF	CITATIONS
19	Comparison of solving algorithms for a mathematical model of filtration-diffusion transfer in the medium of spherical moisture-saturated microporous particles. Scientific Journal of the Ternopil National Technical University, 2021, 1, 15-21.	0.3	0
20	Software Algorithms for a Mathematical Model of Filtration-Diffusion Mass Transfer in the Medium of Microporous Particles. , 2021, , .		0
21	Mathematical Model of the Capacitor Based on Zeolite Material. , 2021, , .		0
22	Shear Acoustic Phonons in Multilayer Arsenide Semiconductor Nanostructures. Journal of Nano- and Electronic Physics, 2019, 11, 01019-1-01019-6.	0.5	0
23	Hybrid Artificial Intelligence Systems for Complex Neural Network Analysis of Abnormal Neurological Movements with Multiple Cognitive-nodes Signal. , 2020, , .		0