

Katarzyna D Lewandowska

List of Publications by Year in descending order

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Version: 2024-02-01

31
papers

201
citations

1163117

8
h-index

1058476

14
g-index

31
all docs

31
docs citations

31
times ranked

245
citing authors

#	ARTICLE	IF	CITATIONS
1	Experimental and Theoretical Analysis of Metal Complex Diffusion through Cell Monolayer. <i>Entropy</i> , 2021, 23, 360.	2.2	2
2	Evaluation of Capillary Blood Gases in Medical Personnel Caring for Patients Isolated Due to SARS-CoV-2 in Intensive Care Units before and after Using Enhanced Filtration Masks: A Prospective Cohort Study. <i>International Journal of Environmental Research and Public Health</i> , 2021, 18, 9425.	2.6	2
3	The role of melatonin and melatonin receptor agonist in the prevention of sleep disturbances and delirium in intensive care unit – a clinical review. <i>Sleep Medicine</i> , 2020, 69, 127-134.	1.6	32
4	Prone ventilation of critically ill adults with COVID-19: how to perform CPR in cardiac arrest?. <i>Critical Care</i> , 2020, 24, 258.	5.8	9
5	Normal diffusion in a medium connected to a subdiffusive medium with absorption. <i>BioSystems</i> , 2019, 177, 5-8.	2.0	1
6	Prediction of cognitive dysfunction after resuscitation – a systematic review. <i>Postępy W Kardiologii Interwencyjnej</i> , 2018, 14, 225-232.	0.2	9
7	The Method of an Experimental Determination of Boundary Conditions at a Thin Membrane for Diffusion. <i>Acta Physica Polonica B</i> , 2018, 49, 955.	0.8	0
8	How to determine a boundary condition for diffusion at a thin membrane from experimental data. <i>Physical Review E</i> , 2017, 96, 010101.	2.1	8
9	How to identify absorption in a subdiffusive medium. <i>Mathematical Modelling of Natural Phenomena</i> , 2017, 12, 118-129.	2.4	3
10	Smoking Status and the Five-Factor Model of Personality: Results of a Cross-Sectional Study Conducted in Poland. <i>International Journal of Environmental Research and Public Health</i> , 2017, 14, 126.	2.6	14
11	Subdiffusion – Absorption Process in a System with a Thin Membrane. <i>Mathematical Modelling of Natural Phenomena</i> , 2016, 11, 128-141.	2.4	2
12	Persistent Random Walk Effect in the Subdiffusion-reaction Process. <i>Acta Physica Polonica B</i> , 2014, 45, 1787.	0.8	0
13	Subdiffusive Model of Released Substance from a Spherical Medium. <i>Acta Physica Polonica B</i> , 2014, 45, 1907.	0.8	0
14	Subdiffusion-reaction processes with A versus subdiffusion-reaction processes with $A+B$. <i>Physical Review E</i> , 2014, 90, 032136.	2.1	11
15	The Solution to Subdiffusion-reaction Equation for the System with One Mobile and One Static Reactant. <i>Acta Physica Polonica B</i> , 2013, 44, 967.	0.8	5
16	Application of Fractional Differential Equations in Modelling the Subdiffusion – Reaction Process. <i>Mathematical Modelling of Natural Phenomena</i> , 2013, 8, 44-54.	2.4	8
17	Title is missing!. <i>Acta Physica Polonica B</i> , 2012, 43, 1065.	0.8	2
18	Title is missing!. <i>Acta Physica Polonica B</i> , 2012, 43, 1043.	0.8	3

#	ARTICLE	IF	CITATIONS
19	Subdiffusion in a system with thin membranes. Physical Review E, 2012, 86, 021123.	2.1	18
20	First-passage time for subdiffusion: The nonadditive entropy approach versus the fractional model. Physical Review E, 2012, 86, 021108.	2.1	5
21	Application of diffusionâ€™reaction equations to model carious lesion progress. Physica A: Statistical Mechanics and Its Applications, 2012, 391, 2608-2616.	2.6	2
22	Conciliating the nonadditive entropy approach and the fractional model formulation when describing subdiffusion. Open Physics, 2012, 10, .	1.7	1
23	APPLYING FRACTIONAL DERIVATIVE EQUATIONS TO THE MODELING OF SUBDIFFUSION PROCESS. , 2010, , .		0
24	Subdiffusion in a membrane and in electrochemical systems. Physica Scripta, 2009, T136, 014020.	2.5	2
25	Hyperbolic subdiffusive impedance. Journal of Physics A: Mathematical and Theoretical, 2009, 42, 055004.	2.1	32
26	Application of Scaling and Quasistatic Methods to Study Nonlinear Subdiffusion-Reaction Equations With Fractional Time Derivative. , 2009, , .		0
27	Time evolution of the reaction front in a subdiffusive system. Physical Review E, 2008, 78, 066103.	2.1	22
28	Time Evolution Of The Reaction Front In A Subdiffusive System. AIP Conference Proceedings, 2007, , .	0.4	2
29	Short-Time Signal Analysis Using Pattern Recognition Methods. Lecture Notes in Computer Science, 2004, , 550-555.	1.3	6
30	Regularization Background of Clustering Algorithms. , 2003, , 584-589.		0
31	The modelling of carious lesion progress. , 0, , .		0