Katarzyna D Lewandowska

List of Publications by Year
in descending order

31	201	1163117 8	1058476 14
papers	citations	h-index	g-index

31	31	31	245
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Hyperbolic subdiffusive impedance. Journal of Physics A: Mathematical and Theoretical, 2009, 42, 055004.	2.1	32
2	The role of melatonin and melatonin receptor agonist in the prevention of sleep disturbances and delirium in intensive care unit â€“ a clinical review. Sleep Medicine, 2020, 69, 127-134.	1.6	32
3	Time evolution of the reaction front in a subdiffusive system. Physical Review E, 2008, 78, 066103.	2.1	22
4	Subdiffusion in a system with thin membranes. Physical Review E, 2012, 86, 021123.	2.1	18
5	Smoking Status and the Five-Factor Model of Personality: Results of a Cross-Sectional Study Conducted in Poland. International Journal of Environmental Research and Public Health, 2017, 14, 126.	2.6	14
6	Subdiffusion-reaction processes with<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi>A</mml:mi><mml:mo>â†’</mml:mo><mml:mi>B</mml:mi><mml:m versus subdiffusion-reaction processes with<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi>A</mml:mi><mml:mo>+</mml:mo><mml:mi>B</mml:mi> Physical Review E, 2014, 90, 032136.	2.1	11
7	Prediction of cognitive dysfunction after resuscitation â€“ a systematic review. Postepy W Kardiologii Interwencyjnej, 2018, 14, 225-232.	0.2	9
8	Prone ventilation of critically ill adults with COVID-19: how to perform CPR in cardiac arrest?. Critical Care, 2020, 24, 258.	5.8	9
9	Application of Fractional Differential Equations in Modelling the Subdiffusionâ€“Reaction Process. Mathematical Modelling of Natural Phenomena, 2013, 8, 44-54.	2.4	8
10	How to determine a boundary condition for diffusion at a thin membrane from experimental data. Physical Review E, 2017, 96, 010101.	2.1	8
11	Short-Time Signal Analysis Using Pattern Recognition Methods. Lecture Notes in Computer Science, 2004, , 550-555.	1.3	6
12	First-passage time for subdiffusion: The nonadditive entropy approach versus the fractional model. Physical Review E, 2012, 86, 021108.	2.1	5
13	The Solution to Subdiffusion-reaction Equation for the System with One Mobile and One Static Reactant. Acta Physica Polonica B, 2013, 44, 967.	0.8	5
14	Title is missing!. Acta Physica Polonica B, 2012, 43, 1043.	0.8	3
15	How to identify absorption in a subdiffusive medium. Mathematical Modelling of Natural Phenomena, 2017, 12, 118-129.	2.4	3
16	Time Evolution Of The Reaction Front In A Subdiffusive System. AIP Conference Proceedings, 2007, , .	0.4	2
17	Subdiffusion in a membrane and in electrochemical systems. Physica Scripta, 2009, T136, 014020.	2.5	2
18	Title is missing!. Acta Physica Polonica B, 2012, 43, 1065.	0.8	2

#	Article	IF	Citations
19	Application of diffusionâ€“reaction equations to model carious lesion progress. Physica A: Statistical Mechanics and Its Applications, 2012, 391, 2608-2616.	2.6	2
20	Subdiffusionâ€“Absorption Process in a System with a Thin Membrane. Mathematical Modelling of Natural Phenomena, 2016, 11, 128-141.	2.4	2
21	Experimental and Theoretical Analysis of Metal Complex Diffusion through Cell Monolayer. Entropy, 2021, 23, 360.	2.2	2
22	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. International Journal of Environmental Research and Public Health, 2021, 18, 9425.	2.6	2
23	Conciliating the nonadditive entropy approach and the fractional model formulation when describing subdiffusion. Open Physics, 2012, 10, .	1.7	1
24	Normal diffusion in a medium connected to a subdiffusive medium with absorption. BioSystems, 2019, 177, 5-8.	2.0	1
25	Persistent Random Walk Effect in the Subdiffusion-reaction Process. Acta Physica Polonica B, 2014, 45, 1787.	0.8	0
26	Subdiffusive Model of Released Substance from a Spherical Medium. Acta Physica Polonica B, 2014, 45, 1907.	0.8	0
27	Regularization Background of Clustering Algorithms. , 2003, , 584-589.		0
28	Application of Scaling and Quasistatic Methods to Study Nonlinear Subdiffusion-Reaction Equations With Fractional Time Derivative. , 2009, , .		0
29	APPLYING FRACTIONAL DERIVATIVE EQUATIONS TO THE MODELING OF SUBDIFFUSION PROCESS. , 2010, , .		0
30	The modelling of carious lesion progress. , 0, , .		0
31	The Method of an Experimental Determination of Boundary Conditions at a Thin Membrane for Diffusion. Acta Physica Polonica B, 2018, 49, 955.	0.8	0