

# Petro Ya Pukach

## List of Publications by Year in descending order

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55  
papers

282  
citations

758635

12  
h-index

940134

16  
g-index

55  
all docs

55  
docs citations

55  
times ranked

140  
citing authors



#	ARTICLE	IF	CITATIONS
19	The Mathematical Models of Mechanical and Electromechanical Systems Study via the Qualitative and Analytical Approach. , 2019, , .		0
20	Order Relation on Scalar Products in Real Linear Spaces. , 2019, , .		1
21	Mathematical Simulation of Electric Voltage in Lossy Transmission Line and the Problems of Optimizing MEMS - Devices Parameters. , 2019, , .		0
22	The differential-symbol method of constructing the quasipolynomial solutions of two-point in time problem for nonhomogeneous partial differential equation. Turkish Journal of Mathematics, 2019, 43, 1241-1252.	0.3	0
23	On Simulation of Wave Processes in Electromechanical Systems by a Problem with Two- Point Time Conditions. , 2019, , .		0
24	Modified Mathematical Model of Vibrations of a Long-Sized Plate and its Application to the Analysis of MEMS Structures. , 2019, , .		0
25	On the Mathematical Model of Nonlinear Oscillations under the Impact of a Moving Environment. , 2019, , .		1
26	On the Modeling of the Oscillating Process of Longitudinal Elastic Body by Two-Point Problem. , 2019, , .		0
27	Application of Qualitative Methods for the Investigation and Numerical Analysis of Some Dissipative Nonlinear Physical Systems. Advances in Intelligent Systems and Computing, 2019, , 464-475.	0.5	0
28	Analytical method to study a mathematical model of wave processes under two-point time conditions. Eastern-European Journal of Enterprise Technologies, 2019, 1, 74-83.	0.3	7
29	The Scheffe's method in the study of mathematical model of the polymeric hydrogels composite structures optimization. Mathematical Modeling and Computing, 2019, 6, 258-267.	0.4	9
30	The Information Model of Cloud Data Warehouses. Advances in Intelligent Systems and Computing, 2019, , 182-191.	0.5	3
31	Analysis of measurement systems mathematical models by using the comparison of functions. Mathematical Modeling and Computing, 2019, 6, 268-275.	0.4	0
32	Galerkin Method and Qualitative Approach for the Investigation and Numerical Analysis of Some Dissipative Nonlinear Physical Systems. , 2018, , .		1
33	On qualitative methods in the investigation of the nonlinear oscillations mathematical models in some electromechanical systems. , 2018, , .		1
34	Asymptotic method for investigating resonant regimes of nonlinear bending vibrations of elastic shaft. Naukovyi Visnyk Natsionalnoho Hirnychoho Universytetu, 2018, 1, 68-73.	0.3	16
35	On the Asymptotic Methods of the Mathematical Models of Strongly Nonlinear Physical Systems. Advances in Intelligent Systems and Computing, 2018, , 421-433.	0.5	15
36	Development of an approach to mathematical description of imbalance in methabolic processes for its application in the medical diagnostic information system. Eastern-European Journal of Enterprise Technologies, 2018, 5, 29-39.	0.3	1

#	ARTICLE	IF	CITATIONS
37	Analysis of the developed quantitative method for automatic attribution of scientific and technical text content written in Ukrainian. Eastern-European Journal of Enterprise Technologies, 2018, 6, 19-31.	0.3	20
38	The mathematical method development of decisions supporting concerning products placement based on analysis of market basket content. , 2017, , .		7
39	Investigation of the mathematical model of bending oscillations of the oil tanks' walls in the transformers considering nonlinear dissipative forces. , 2017, , .		3
40	Asymptotic method for the investigation of the mathematical model of nonlinear bending vibrations for some electromechanical screw system. , 2017, , .		0
41	Mathematical model of thermal conductivity for piecewise homogeneous elements of electronic systems. , 2017, , .		1
42	Development of subsystems for reverberation time definition in lecture auditorium. , 2017, , .		1
43	Advanced approach in the research methods of the mathematical models of strongly nonlinear physical systems. , 2017, , .		0
44	Method of functioning of intelligent agents, designed to solve action planning problems based on ontological approach. Eastern-European Journal of Enterprise Technologies, 2017, 3, 11-17.	0.3	20
45	Development of a method for the recognition of author's style in the Ukrainian language texts based on linguometry, stylemetry and glottochronology. Eastern-European Journal of Enterprise Technologies, 2017, 4, 10-19.	0.3	22
46	On nonexistence of global in time solution for a mixed problem for a nonlinear evolution equation with memory generalizing the Voigt-Kelvin rheological model. Opuscula Mathematica, 2017, 37, 735.	0.3	21
47	The Pfeiffer-Lax-Sato type vector field equations and the related integrable versal deformations. Matematychni Studii, 2017, 48, .	0.5	0
48	Development of a method for determining the keywords in the slavic language texts based on the technology of web mining. Eastern-European Journal of Enterprise Technologies, 2017, 2, 14-23.	0.3	15
49	Investigation of Bending Vibrations in Voigt-Kelvin Bars with Regard for Nonlinear Resistance Forces. Journal of Mathematical Sciences, 2016, 215, 71-78.	0.1	17
50	The method of formation of the status of personality understanding based on the content analysis. Eastern-European Journal of Enterprise Technologies, 2016, 5, 4-12.	0.3	17
51	A method for constructing recruitment rules based on the analysis of a specialist's competences. Eastern-European Journal of Enterprise Technologies, 2016, 6, 4-14.	0.3	15
52	Qualitative Methods for the Investigation of a Mathematical Model of Nonlinear Vibrations of a Conveyer Belt. Journal of Mathematical Sciences, 2014, 198, 31-38.	0.1	18
53	On the unboundedness of a solution of the mixed problem for a nonlinear evolution equation at a finite time. Nonlinear Oscillations, 2012, 14, 369-378.	0.1	11
54	Mixed problem for a nonlinear hyperbolic equation in a domain unbounded with respect to space variables. Ukrainian Mathematical Journal, 2007, 59, 1708-1718.	0.1	15

#	ARTICLE	IF	CITATIONS
55	On the problem without initial conditions for a nonlinear degenerating parabolic system. Ukrainian Mathematical Journal, 1994, 46, 484-487.	0.1	2