Petro Ya Pukach

List of Publications by Year
in descending order

55 papers	282 citations

758635	940134
12 h-index	16 g-index

55 all docs	55 docs citations
55 times ranked	140 citing authors

#	Article	IF	Citations
1	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
2	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
3	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
4	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
5	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
6	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
7	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
8	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
9	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
10	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
11	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
12	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
13	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
14	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
15	Usage of Mathematical Modeling and Optimization in Development of Hydrogel Medical Dressings Production. Electronics (Switzerland), 2021, 10, 620.	1.8	8
16	Advanced asymptotic approaches and perturbation theory methods in the study of the mathematical model of single-frequency oscillations of a nonlinear elastic body. Mathematical Modeling and Computing, 2020, 7, 269-277.	0.4	8
17	The mathematical method development of decisions supporting concerning products placement based on analysis of market basket content. , 2017, , .		7
18	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

#	ARTICLE	IF	CITATIONS
19	Investigation of the mathematical model of bending oscillations of the oil tanks' walls in the transformers considering nonlinear dissipative forces. , 2017, , .		3
20	The Information Model of Cloud Data Warehouses. Advances in Intelligent Systems and Computing, 2019, , 182-191.	0.5	3
21	On the problem without initial conditions for a nonlinear degenerating parabolic system. Ukrainian Mathematical Journal, 1994, 46, 484-487.	0.1	2
22	Mathematical model of thermal conductivity for piecewise homogeneous elements of electronic systems. , 2017, , .		1
23	Development of subsystems for reverberation time definition in lecture auditorium. , 2017, , .		1
24	Galerkin Method and Qualitative Approach for the Investigation and Numerical Analysis of Some Dissipative Nonlinear Physical Systems. , 2018, , .		1
25	On qualitative methods in the investigation of the nonlinear oscillations mathematical models in some electromechanical systems. , 2018, , .		1
26	Differential-symbol method of constructing the quasipolynomial solutions of a two-point problem for a partial differential equation. Journal of Mathematical Sciences, 2019, 239, 62-74.	0.1	1
27	Order Relation on Scalar Products in Real Linear Spaces. , 2019, , .		1
28	On the Mathematical Model of Nonlinear Oscillations under the Impact of a Moving Environment. , 2019, , .		1
29	Ð"ÐžÐ¡Ð'Ð†Ð" Ð—ÐœÐ†Ð'ÐÐžÐ"Ðž Ð'Ð†Ð'Ð§ÐÐÐÐ¯ Ð†ÐÐ¤ÐžÐ'ÐœÐÐ¢ÐˆÐ¯ Ð¡Ð¢Ð¢Ð£Ð"Ð•ÐÐ¢Ð†Ð' Ð•ÐšÐžÐÐžÐœÐ†Ð§ÐÐ Ð¥ ...		
30	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
31	Cauchy problem for hyperbolic equations of third order with variable exponent of nonlinearity. Carpathian Mathematical Publications, 2020, 12, 419-433.	0.4	1
32	Two-dimensional elastic theory methods for describing the stress state and the modes of elastic boring. Naukovyi Visnyk Natsionalnoho Hirnychoho Universytetu, 2020, , 46-51.	0.3	1
33	Asymptotic Approaches to Study the Mathematical Models of Nonlinear Oscillations of Movable 1D Bodies. , 2020, , .		1
34	Advancing asymptotic approaches to studying the longitudinal and torsional oscillations of a moving beam. Eastern-European Journal of Enterprise Technologies, 2022, 3, 31-39.	0.3	1
35	Asymptotic method for the investigation of the mathematical model of nonlinear bending vibrations for some electromechanical screw system. , 2017, , .		0
36	Advanced approach in the research methods of the mathematical models of strongly nonlinear physical systems. , 2017, , .		0

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#	Article	IF	Citations
37	Analytical Method of Investigation of Wave Processes in Mathematical Models of Some Dynamic Systems. , 2019, , .		0
38	The Mathematical Models of Mechanical and Electromechanical Systems Study via the Qualitative and Analytical Approach. , 2019, , .		0
39	Mathematical Simulation of Electric Voltage in Lossy Transmission Line and the Problems of Optimizing MEMS - Devices Parameters. , 2019, , .		0
40	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
41	On Simulation of Wave Processes in Electromechanical Systems by a Problem with Two- Point Time Conditions. , 2019, , .		0
42	Modified Mathematical Model of Vibrations of a Long-Sized Plate and its Application to the Analysis of MEMS Structures. , 2019, , .		0
43	On the Modeling of the Oscillating Process of Longitudinal Elastic Body by Two-Point Problem. , 2019, , .		0
44	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
45	Adaptive Numerics for Linear ODE Systems with Time-Dependent Data; Application in Photovoltaics. , 2020, , .		0
46	Asymptotic Method for Studying Mathematical Models of Resonant and Nonresonant Nonlinear Vibrations for Some 1D Moving Bodies. , 2021, , .		0
47	On Nontrivial Solutions of a Homogeneous Two-Point (In Time) Problem for the System of Equations of the Dynamic Theory of Elasticity. Journal of Mathematical Sciences, 2021, 254, 261-270.	0.1	0
48	Some Aspects on [numerical] Stability of Evolution Equations of Stiff Type; Use of Computer Algebra. , 2021, , .		0
49	Dirichlet-Neumann problem for the partial differential equations with deviation over the space argument. Carpathian Mathematical Publications, 2021, 13, 315-325.	0.4	0
50	The Pfeiffer-Lax-Sato type vector field equations and the related integrable versal deformations. Matematychni Studii, 2017, 48, .	0.5	0
51	Modified Asymptotic Method of Studying the Mathematical Model of Nonlinear Oscillations Under the Impact of a Moving Environment. Advances in Intelligent Systems and Computing, 2020, , 78-89.	0.5	0
52	Analysis of measurement systems mathematical models by using the comparison of functions. Mathematical Modeling and Computing, 2019, 6, 268-275.	0.4	0
53	The study of mathematical models of the linear theory of elasticity by presenting the fundamental solution in harmonic potentials. Mathematical Modeling and Computing, 2020, 7, 259-268.	0.4	0
54	Mathematical Models of Nonlinear Transverse Oscillations of Elastic Movable 1D Bodies. Advances in Intelligent Systems and Computing, 2021, , 473-484.	0.5	0

#	Article	IF	Citations
55	Two-point boundary value problem for a partial differential equation in spaces of periodic functions. Matematychni Studii, 2020, 54, 79-90.	0.5	0