

Aleksey A Kudreyko

List of Publications by Year in descending order

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47
papers

587
citations

686830

13
h-index

642321

23
g-index

47
all docs

47
docs citations

47
times ranked

330
citing authors

#	ARTICLE	IF	CITATIONS
1	Harmonic wavelet method towards solution of the Fredholm type integral equations of the second kind. Applied Mathematics and Computation, 2010, 215, 4164-4171.	1.4	73
2	Remaining useful life prediction for Lithium-ion batteries using fractional Brownian motion and Fruit-fly Optimization Algorithm. Measurement: Journal of the International Measurement Confederation, 2020, 161, 107904.	2.5	70
3	Spare optimistic based on improved ADMM and the minimum entropy de-convolution for the early weak fault diagnosis of bearings in marine systems. ISA Transactions, 2018, 78, 98-104.	3.1	37
4	ELASTIC DAMPER BASED ON THE CARBON NANOTUBE BUNDLE. Facta Universitatis, Series: Mechanical Engineering, 2020, 18, 001.	2.3	32
5	Supersonic voidions in 2D Morse lattice. Chaos, Solitons and Fractals, 2020, 140, 110217.	2.5	30
6	Fractional Lévy stable motion: Finite difference iterative forecasting model. Chaos, Solitons and Fractals, 2020, 133, 109632.	2.5	28
7	Spherically localized discrete breathers in bcc metals V and Nb. Computational Materials Science, 2020, 180, 109695.	1.4	27
8	Discrete breathers in a triangular $\langle \text{mml:math} \text{xmlns:mml="http://www.w3.org/1998/Math/MathML"} \langle \text{mml:mi} \hat{=}^2 \langle \text{mml:mi} \rangle \langle \text{mml:math} \rangle$ -Fermi-Pasta-Ulam-Tsingou lattice. Physical Review E, 2021, 103, 052202.	0.8	24
9	Application of Periodized Harmonic Wavelets towards Solution of Eigenvalue Problems for Integral Equations. Mathematical Problems in Engineering, 2010, 2010, 1-8.	0.6	23
10	An iterative model of the generalized Cauchy process for predicting the remaining useful life of lithium-ion batteries. Measurement: Journal of the International Measurement Confederation, 2022, 187, 110269.	2.5	23
11	Two-dimensional discrete breathers in fcc metals. Computational Materials Science, 2020, 182, 109737.	1.4	19
12	Mechanical Response of Carbon Nanotube Bundle to Lateral Compression. Computation, 2020, 8, 27.	1.0	18
13	Chaotic discrete breathers and their effect on macroscopic properties of triangular lattice. Communications in Nonlinear Science and Numerical Simulation, 2022, 112, 106541.	1.7	14
14	Generalized Cauchy Degradation Model With Long-Range Dependence and Maximum Lyapunov Exponent for Remaining Useful Life. IEEE Transactions on Instrumentation and Measurement, 2021, 70, 1-12.	2.4	13
15	Patterned Photoalignment in Thin Films: Physics and Applications. Crystals, 2021, 11, 84.	1.0	13
16	Equilibration of sinusoidal modulation of temperature in linear and nonlinear chains. Physical Review E, 2020, 102, 062148.	0.8	12
17	Negative Thermal Expansion of Carbon Nanotube Bundles. Physica Status Solidi - Rapid Research Letters, 2022, 16, 2100415.	1.2	12
18	Fractional Autoregressive Integrated Moving Average and Finite-Element Modal: The Forecast of Tire Vibration Trend. IEEE Access, 2018, 6, 40137-40142.	2.6	10

#	ARTICLE	IF	CITATIONS
19	Photo-Aligned Ferroelectric Liquid Crystal Devices with Novel Electro-Optic Characteristics. <i>Crystals</i> , 2020, 10, 563.	1.0	10
20	Tunable optical properties for ORW e-paper. <i>Liquid Crystals</i> , 2021, 48, 1073-1077.	0.9	10
21	Mutiscale Analysis of the Fisher Equation. <i>Lecture Notes in Computer Science</i> , 2008, , 1171-1180.	1.0	10
22	Partial Auxeticity of Laterally Compressed Carbon Nanotube Bundles. <i>Physica Status Solidi - Rapid Research Letters</i> , 2022, 16, 2100189.	1.2	9
23	Multifractional and long-range dependent characteristics for remaining useful life prediction of cracking gas compressor. <i>Reliability Engineering and System Safety</i> , 2022, 225, 108630.	5.1	9
24	On the Discrete Harmonic Wavelet Transform. <i>Mathematical Problems in Engineering</i> , 2008, 2008, 1-7.	0.6	7
25	New types of one-dimensional discrete breathers in a two-dimensional lattice. <i>Letters on Materials</i> , 2020, 10, 185-188.	0.2	7
26	Reliability Analysis of Power Distribution Network Based on PSO-DBN. <i>IEEE Access</i> , 2020, 8, 224884-224894.	2.6	6
27	Effect of the stiffness of interparticle bonds on properties of delocalized nonlinear vibrational modes in an fcc lattice. <i>Physical Review E</i> , 2022, 105, .	0.8	6
28	Helix unwinding in ferroelectric liquid crystals induced by tilted electric field. <i>Chinese Physics B</i> , 2015, 24, 076101.	0.7	4
29	Design and Optimization of Plasmon Resonance Sensor Based on Micro-Nano Symmetrical Localized Surface. <i>Symmetry</i> , 2020, 12, 841.	1.1	4
30	Ferroelectric liquid crystals for fast switchable circular Dammann grating [Invited]. <i>Chinese Optics Letters</i> , 2020, 18, 080002.	1.3	4
31	Electro-optic response in thin smectic C* film with chevron structures. <i>Chinese Physics B</i> , 2016, 25, 126101.	0.7	3
32	Relaxation Dynamics of Ferroelectric Liquid Crystals in Pulsed Electric Field. <i>Russian Physics Journal</i> , 2016, 59, 938-943.	0.2	3
33	Frequency voltage controlled light transmittance in ferroelectric liquid crystal cells. <i>European Physical Journal E</i> , 2017, 40, 58.	0.7	3
34	Optimization of image writer modes for optically rewritable electronic paper. <i>Liquid Crystals</i> , 0, , 1-6.	0.9	3
35	Photosensitive Alignment: Advanced Electronic Paper-Based Devices. <i>Crystals</i> , 2022, 12, 364.	1.0	3
36	Optically Rewritable Liquid Crystal Displays: Characteristics and Performance. <i>Crystals</i> , 2021, 11, 1053.	1.0	2

#	ARTICLE	IF	CITATIONS
37	Kinetics of photoinduced phase retardation in azo dye layer. <i>Liquid Crystals</i> , 2022, 49, 1376-1383.	0.9	2
38	Application of Wavelet-Basis for Solution of the Fredholm Type Integral Equations. <i>Lecture Notes in Computer Science</i> , 2010, , 155-163.	1.0	1
39	Cusp Catastrophe Model for Description of Bistability in Ferroelectric Liquid Crystals. <i>Research Letters in Physics</i> , 2014, 2014, 1-5.	0.2	1
40	Surface effects in the model of polymer-stabilized ferroelectric liquid crystal cells. <i>Indian Journal of Physics</i> , 2020, 94, 1931-1937.	0.9	1
41	Phase transitions in carbon nanotube bundles under lateral compression. , 2020, , .		1
42	A New Solution for the Director Relaxation Problem in Twisted Nematic Film Based on Wavelet Analysis. <i>International Journal of Mathematics and Mathematical Sciences</i> , 2011, 2011, 1-8.	0.3	0
43	Chaotic transients in surface-stabilized smectic C* cells induced by magnetic field. <i>Soft Materials</i> , 2018, 16, 160-165.	0.8	0
44	Correction to "Fractional Autoregressive Integrated Moving Average and Finite-Element Modal: The Forecast of Tire Vibration Trend". <i>IEEE Access</i> , 2018, 6, 58977-58977.	2.6	0
45	Modeling of electro-optic characteristics in vertically aligned deformed helix ferroelectric liquid crystals. <i>International Journal of Modern Physics B</i> , 2019, 33, 1950187.	1.0	0
46	Biaxial surface potential effects in polymer-stabilized ferroelectric liquid crystal cells. <i>Letters on Materials</i> , 2019, 9, 255-259.	0.2	0
47	Galerkin Approximation for Stochastic Volterra Integral Equations with Doubly Singular Kernels. <i>Fractal and Fractional</i> , 2022, 6, 311.	1.6	0