

# Vladislav Malyshkin

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7386172/publications.pdf>

Version: 2024-02-01

44  
papers

474  
citations

1039406

9  
h-index

713013

21  
g-index

44  
all docs

44  
docs citations

44  
times ranked

286  
citing authors

#	ARTICLE	IF	CITATIONS
1	Vertical correlations and anticorrelations in multisheet arrays of two-dimensional islands. <i>Physical Review B</i> , 1998, 57, 12262-12274.	1.1	129
2	On spinodal decomposition in elastically anisotropic epitaxial films of III-V semiconductor alloys. <i>Journal of Applied Physics</i> , 1993, 74, 7198-7210.	1.1	102
3	Kinetic instability of semiconductor alloy growth. <i>Physical Review B</i> , 1998, 57, 12968-12993.	1.1	45
4	Compositional elastic domains in epitaxial layers of phase-separating semiconductor alloys. <i>The Philosophical Magazine: Physics of Condensed Matter B, Statistical Mechanics, Electronic, Optical and Magnetic Properties</i> , 1994, 70, 557-566.	0.6	24
5	Speckle correlations in the light scattered from a weakly rough one-dimensional random metal surface. <i>Optics Letters</i> , 1997, 22, 946.	1.7	23
6	Formation of strained superlattices with a macroscopic period via spinodal decomposition of III-V semiconductor alloys. <i>Solid State Communications</i> , 1991, 78, 19-24.	0.9	19
7	Determination of surface profile statistics from electromagnetic scattering data. <i>Optics Letters</i> , 1997, 22, 58.	1.7	16
8	Carbon supported polyaniline as anode catalyst: Pathway to platinum-free fuel cells. <i>Technical Physics Letters</i> , 2006, 32, 758-761.	0.2	16
9	Scientific activity in the problems of technical and economic modeling of solar stations. An example of unstable climatic conditions. <i>IOP Conference Series: Earth and Environmental Science</i> , 2019, 390, 012047.	0.2	14
10	Nonlinear impedance of solid-state energy-storage ionistors. <i>Technical Physics</i> , 2010, 55, 692-698.	0.2	7
11	Ultimate capacitance characteristics of graphene electrodes for supercapacitors: Quantum restrictions. <i>Technical Physics Letters</i> , 2015, 41, 359-361.	0.2	7
12	Mathematical Foundations of Realtime Equity Trading. Liquidity Deficit and Market Dynamics. Automated Trading Machines.. <i>SSRN Electronic Journal</i> , 2015, , .	0.4	6
13	The Reverse Relaxation Effect and Structure of Porous Electrodes in Supercapacitors. <i>Technical Physics Letters</i> , 2019, 45, 45-47.	0.2	6
14	Features in the speckle correlations of light scattered from volume-disordered dielectric media. <i>Physical Review B</i> , 1999, 59, 6167-6176.	1.1	5
15	Generalized Radon-Nikodym Spectral Approach. Application to Relaxation Dynamics Study.. <i>SSRN Electronic Journal</i> , 0, , .	0.4	5
16	Speckle correlations in the light scattered from weakly rough random metal surfaces. <i>Waves in Random and Complex Media</i> , 1997, 7, 479-520.	1.5	4
17	Inductive component of impedance of supercapacitor porous interface. <i>Technical Physics Letters</i> , 2013, 39, 533-535.	0.2	4
18	On the inverse relaxation approach to supercapacitors characterization. <i>Journal of Power Sources</i> , 2021, 484, 229257.	4.0	4

#	ARTICLE	IF	CITATIONS
19	Multiple “ Instance Learning: Christoffel Function Approach to Distribution Regression Problem. SSRN Electronic Journal, 0, , .	0.4	4
20	Multiple-Instance Learning: Radon-Nikodym Approach to Distribution Regression Problem. SSRN Electronic Journal, 0, , .	0.4	4
21	A Giant Frequency Shift in the Raman Spectrum of Water Adsorbed on a Metallic Silver Surface. Technical Physics Letters, 2018, 44, 77-80.	0.2	3
22	Electrification of rural villages in Myanmar with photovoltaic solar energy on the basis of GIS data. IOP Conference Series: Earth and Environmental Science, 2019, 390, 012048.	0.2	3
23	Norm-Free Radon-Nikodym Approach to Machine Learning. SSRN Electronic Journal, 0, , .	0.4	3
24	On Lebesgue Integral Quadrature. SSRN Electronic Journal, 0, , .	0.4	3
25	On The Radon-Nikodym Spectral Approach With Optimal Clustering. SSRN Electronic Journal, 0, , .	0.4	3
26	Transverse or off-axis localization of electromagnetic waves in random one- and two-dimensional dielectric systems which are periodic on average. Waves in Random and Complex Media, 1998, 8, 203-228.	1.5	2
27	Radon-Nikodym Approximation in Application to Image Reconstruction. SSRN Electronic Journal, 0, , .	0.4	2
28	Market Dynamics. On a Muse of Cash Flow and Liquidity Deficit. SSRN Electronic Journal, 0, , .	0.4	2
29	On Numerical Estimation of Joint Probability Distribution from Lebesgue Integral Quadratures. SSRN Electronic Journal, 0, , .	0.4	2
30	Computer-simulation study of the thermal conductivity of amorphous insulating solids. Physical Review B, 1996, 54, 2980-2983.	1.1	1
31	<title>Features in the speckle correlations of light scattered from volume-disordered dielectric media</title>. , 1998, , .		1
32	On energy accumulation in double layer on the surface of materials with low electron state density. Russian Journal of Electrochemistry, 2017, 53, 561-566.	0.3	1
33	Spectral Approach to Li-ion Batteries Degradation Rate Estimation. Journal of Physics: Conference Series, 2018, 1124, 041007.	0.3	1
34	An application of the spectral Radon-Nikodym approach to fluorescence dynamics study of cold atomic cloud ensemble. Journal of Physics: Conference Series, 2019, 1236, 012046.	0.3	1
35	A Massive Local Rules Search Approach to the Classification Problem. SSRN Electronic Journal, 0, , .	0.4	1
36	Market Dynamics: On Directional Information Derived from (Time, Execution Price, Shares Traded) Transaction Sequences. SSRN Electronic Journal, 0, , .	0.4	1

#	ARTICLE	IF	CITATIONS
37	Differential impedance of solid-state supercapacitor operating in a hybrid regime. Technical Physics Letters, 2012, 38, 396-398.	0.2	0
38	Low-frequency oscillations of the impedance of electrolyte moving in an electro-osmotic regime. Technical Physics Letters, 2014, 40, 541-544.	0.2	0
39	Market Dynamics vs. Statistics: Limit Order Book Example. SSRN Electronic Journal, 0, , .	0.4	0
40	Market Dynamics. On Supply and Demand Concepts. SSRN Electronic Journal, 2016, , .	0.4	0
41	Specifics of energy storage in a double layer on the surface of a graphene material. Technical Physics Letters, 2017, 43, 177-179.	0.2	0
42	On The Inverse Relaxation Approach To Supercapacitors Characterization. SSRN Electronic Journal, 0, , .	0.4	0
43	Quantum-Mechanical Methods for Processing the Results of Classical Experiments as an Alternative to Kalman Filter. , 2021, , .		0
44	On Quadratic Form Optimization Problem With Multiple Constraints of the Quadratic Form Type. , 2021, , .		0