

# Igor V Gerasimchuk

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3452948/publications.pdf>

Version: 2024-02-01

24  
papers

176  
citations

1307594

7  
h-index

1058476

14  
g-index

24  
all docs

24  
docs citations

24  
times ranked

37  
citing authors

#	ARTICLE	IF	CITATIONS
1	Statistical and Fourier analysis of the vortex dynamics of fluids in an external magnetic field. Journal of Electroanalytical Chemistry, 2020, 873, 114399.	3.8	2
2	Electrolyteâ€œelectrolyte phase separation under the influence of a DC magnetic field. Applied Nanoscience (Switzerland), 2019, 9, 859-863.	3.1	4
3	Exact Solution for Localized States of Nonlinear Waves in the Structured Anharmonic Media with Two Interfaces. , 2018, , .		0
4	Localization of nonlinear spin waves in magnetic multilayers. Journal of Applied Physics, 2018, 124, 085301.	2.5	7
5	Magnetic field sensors based on the foil of amorphous cobalt alloy and NiMnGa martensite single-crystals. Sensors and Actuators A: Physical, 2017, 264, 165-171.	4.1	1
6	Nonlinear Schrödinger Equation for Description of Small-amplitude Spin Waves in Multilayer Magnetic Materials. Journal of Nano- and Electronic Physics, 2016, 8, 02020-1-02020-7.	0.5	14
7	Solutions of Nonlinear Schrodinger Equation with Two Potential Wells in Linear / Nonlinear Media. Journal of Mathematical Physics, Analysis, Geometry, 2016, 12, 168-176.	0.1	0
8	Localized states and their stability in an anharmonic medium with a nonlinear defect. Journal of Experimental and Theoretical Physics, 2015, 121, 596-605.	0.9	28
9	Technique for Determining Fluids Motion Characteristics in the Vicinity of Ferromagnetic Solids Under Magneto-Chemical Treatment. Nanoscale Research Letters, 2015, 10, 440.	5.7	4
10	Electrolyte Vortex Dynamics in the Vicinity of a Ferromagnetic Surface in a Direct Current Magnetic Field. Journal of Physical Chemistry B, 2014, 118, 14648-14651.	2.6	7
11	Adsorption of polymer chains at two impenetrable interfaces. JETP Letters, 2011, 93, 431-436.	1.4	0
12	Adsorption of polymer chains at penetrable interfaces. Journal of Experimental and Theoretical Physics, 2011, 112, 511-519.	0.9	0
13	Mean-field treatment of polymer chains trapped between surfaces and penetrable interfaces. Physical Review E, 2007, 76, 041803.	2.1	3
14	Spatial localization of nonlinear waves in layered and modulated media. JETP Letters, 2007, 85, 488-492.	1.4	6
15	SOLITON DYNAMICS IN NON-COMMENSURATE SURFACE STRUCTURES. , 2006, , .		0
16	Nonlinear Dynamics of Incommensurate Surface Layers. Physical Review Letters, 2004, 92, 244101.	7.8	3
17	â€œSUPERSOLITONSâ€œIN INFINITE ARRAYS OF PLANE-PARALLEL LAYERS OR COUPLED IDENTICAL OPTICAL WAVEGUIDES. , 2004, , .		0
18	Localization of nonlinear waves between interfaces. Physics of the Solid State, 2003, 45, 1141-1144.	0.6	6

#	ARTICLE	IF	CITATIONS
19	Nonlinear localization of excitations and the dynamics of solitons in self-modulated systems. Journal of Experimental and Theoretical Physics, 2002, 95, 965-972.	0.9	10
20	Spatial localization of light flux in an array of nonlinear optical waveguides. Journal of Physics Condensed Matter, 2001, 13, L885-L889.	1.8	3
21	Localization of nonlinear waves in layered media. Low Temperature Physics, 2000, 26, 586-593.	0.6	32
22	Dynamics and stability of localized modes in nonlinear media with point defects. Low Temperature Physics, 1997, 23, 145-152.	0.6	46
23	Optical fluxes in parallel plane nonlinear waveguide arrays in linear optical media. , 0, , .		0
24	"Superlocalization" of nonlinear waves in periodic layered and modulated structures. , 0, , .		0