

# Alex Vasilev

## List of Publications by Year in descending order

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Version: 2024-02-01

18  
papers

67  
citations

2258059

3  
h-index

1588992

8  
g-index

18  
all docs

18  
docs citations

18  
times ranked

65  
citing authors

#	ARTICLE	IF	CITATIONS
1	Nematic director response in ferronematic cells. <i>Europhysics Letters</i> , 2006, 73, 408-414.	2.0	47
2	Modeling of postsynaptic membrane activation. <i>Journal of Physical Studies</i> , 2012, 16, .	0.5	3
3	Analytical Approach for Calculating the Chemotaxis Sensitivity Function. <i>Ukrainian Journal of Physics</i> , 2018, 63, 255.	0.2	3
4	Critical phenomena in finite-size binary liquid mixtures with reduced geometry. <i>Journal of Molecular Liquids</i> , 2001, 93, 127-130.	4.9	2
5	About "exotic" problems of physics, Winnie the Pooh and Zipf's law. <i>Journal of Physical Studies</i> , 2013, 17, .	0.5	2
6	Double-pool kinetic model of synapse activation. <i>Journal of Physical Studies</i> , 2010, 14, .	0.5	2
7	Modeling the nerve impulse transmission in a synaptic cleft. <i>Journal of Physical Studies</i> , 2019, 23, .	0.5	2
8	Peculiarities of critical light opalescence in a spatially limited multicomponent system. <i>Optics and Spectroscopy (English Translation of Optika i Spektroskopiya)</i> , 2005, 98, 884-888.	0.6	1
9	Density distribution of a binary liquid in a cylindrical pore under the action of external field. <i>High Temperature</i> , 2011, 49, 63-67.	1.0	1
10	Physics Beyond Physics: Application of Physical Approaches in Quantitative Linguistics. <i>Ukrainian Journal of Physics</i> , 2020, 65, 143.	0.2	1
11	Model of Postsynaptic Membrane Deactivation. <i>Ukrainian Journal of Physics</i> , 2018, 63, 919.	0.2	1
12	Peculiarities of Bacterial Chemotaxis in a Cylindrical Pore. <i>Ukrainian Journal of Physics</i> , 2019, 64, 137.	0.2	1
13	A Pool Model of the Mediator Exocytosis into the Synapse. <i>Ukrainian Journal of Physics</i> , 2019, 64, 829.	0.2	1
14	Correlations in the director-orientation fluctuations in the presence of microscopic impurities in a nematic liquid crystal. <i>JETP Letters</i> , 2004, 80, 326-329.	1.4	0
15	A Multicomponent Fluid System in the Critical Region in the Presence of Spatial Confinement. <i>High Temperature</i> , 2004, 42, 652-655.	1.0	0
16	Characteristic features of the critical behavior of a finite-size system of complex geometry. <i>High Temperature</i> , 2006, 44, 115-119.	1.0	0
17	Influence of magnetic field on the director profile in nematic layer with curved surface. <i>Crystallography Reports</i> , 2010, 55, 300-304.	0.6	0
18	Nonlinear Model of Calcium Excitations in Biomembranes. <i>Ukrainian Journal of Physics</i> , 2018, 63, 327.	0.2	0