

# Leonid N Christophorov

## List of Publications by Year in descending order

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15  
papers

160  
citations

1307594

7  
h-index

1125743

13  
g-index

16  
all docs

16  
docs citations

16  
times ranked

78  
citing authors

#	ARTICLE	IF	CITATIONS
1	Structure–function self-organization in nonequilibrium macromolecular systems. <i>Chemical Physics</i> , 2000, 256, 45-60.	1.9	32
2	Self-Regulation Phenomena Applied to Bacterial Reaction Centers. <i>Biophysical Journal</i> , 2003, 84, 1146-1160.	0.5	30
3	Effects of mutual influence of photoinduced electron transitions and slow structural rearrangements in bacterial photosynthetic reaction centers. <i>Journal of Biological Physics</i> , 1998, 24, 1-17.	1.5	25
4	Synergetic mechanisms of structural regulation of the electron transfer and other reactions of biological macromolecules. <i>Chemical Physics</i> , 2005, 319, 330-341.	1.9	16
5	Dichotomous noise with feedback and charge-conformational interactions. <i>Journal of Biological Physics</i> , 1996, 22, 197-208.	1.5	10
6	Peculiarities of random walks with resetting in a one-dimensional chain. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2021, 54, 015001.	2.1	10
7	Peculiarities of light-induced slow protein dynamics in the photosynthetic reaction center. <i>Chemical Physics Letters</i> , 2011, 512, 113-117.	2.6	8
8	Molecular self-organization: A single molecule aspect. <i>Chemical Physics Letters</i> , 2013, 583, 170-174.	2.6	7
9	Self-controlled flow processing by biomolecules. <i>Solid State Ionics</i> , 1997, 97, 83-88.	2.7	5
10	Intelligent molecules: examples from biological charge transport. , 1996, , .		4
11	Enzyme functioning: Along the lines of nonequilibrium phase transitions. <i>AIP Advances</i> , 2018, 8, 125326.	1.3	4
12	Peculiarities of migration and capture of a quantum particle in a chain with traps. <i>Chemical Physics Letters</i> , 2017, 682, 77-81.	2.6	3
13	Solitonic defects in hydrogen-bonded systems at finite acidity. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 1992, 167, 367-369.	2.1	2
14	Peculiarities of light propagation through the media of molecules with long-lived photoexcited states. <i>Chemical Physics Letters</i> , 2007, 447, 358-363.	2.6	2
15	Self-organization effects in reactions of macromolecules. <i>International Journal of Quantum Chemistry</i> , 2010, 110, 62-66.	2.0	1