

# Ilya Chorny

## List of Publications by Year in descending order

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18  
papers

903  
citations

516710

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839539

18  
g-index

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all docs

18  
docs citations

18  
times ranked

1258  
citing authors

#	ARTICLE	IF	CITATIONS
1	In silico selection of therapeutic antibodies for development: Viscosity, clearance, and chemical stability. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 18601-18606.	7.1	190
2	Strengths of Hydrogen Bonds Involving Phosphorylated Amino Acid Side Chains. Journal of the American Chemical Society, 2007, 129, 820-827.	13.7	119
3	De novo structure prediction and experimental characterization of folded peptoid oligomers. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 14320-14325.	7.1	88
4	Novel Human Lipoxygenase Inhibitors Discovered Using Virtual Screening with Homology Models. Journal of Medicinal Chemistry, 2006, 49, 1356-1363.	6.4	81
5	Peptoid conformational free energy landscapes from implicit solvent molecular simulations in AMBER. Biopolymers, 2011, 96, 639-650.	2.4	54
6	Surfaces Affect Ion Pairing. Journal of Physical Chemistry B, 2005, 109, 24056-24060.	2.6	52
7	Molecular dynamics study of the vibrational relaxation of OCIO in bulk liquids. Journal of Chemical Physics, 2002, 116, 8904-8911.	3.0	41
8	Scattering, Trapping, and Ionization of HCl at the Surface of Liquid Glycerol. Journal of Physical Chemistry B, 2004, 108, 995-1002.	2.6	37
9	Hydration Shell Exchange Dynamics during Ion Transfer Across the Liquid/Liquid Interface. Journal of Physical Chemistry B, 2005, 109, 16455-16462.	2.6	36
10	Tryptophan 500 and Arginine 707 Define Product and Substrate Active Site Binding in Soybean Lipoxygenase-1. Biochemistry, 2004, 43, 13063-13071.	2.5	32
11	Molecular dynamics study of the photodissociation and photoisomerization of ICN in water. Journal of Chemical Physics, 2003, 119, 2127-2143.	3.0	30
12	Probing antibody internal dynamics with fluorescence anisotropy and molecular dynamics simulations. MAbs, 2013, 5, 306-322.	5.2	30
13	Vibrational relaxation at water surfaces. Journal of Chemical Physics, 2002, 117, 4532-4541.	3.0	26
14	Photodissociation of ICN at the liquid/vapor interface of chloroform. Journal of Chemical Physics, 2001, 115, 4819-4828.	3.0	23
15	Photodissociation and Vibrational Relaxation of OCIO at Liquid Surfaces. Journal of Physical Chemistry B, 2003, 107, 229-236.	2.6	18
16	Molecular dynamics study of the photodissociation of OCIO in bulk liquids. Journal of Chemical Physics, 2002, 116, 8930-8937.	3.0	16
17	Vibrational relaxation of ICN bulk and surface chloroform. Chemical Physics Letters, 2002, 364, 446-453.	2.6	15
18	Molecular dynamics study of the vibrational relaxation of OCl and OCl <sup>+</sup> in the bulk and the surface of water and acetonitrile. Journal of Molecular Liquids, 2004, 110, 133-139.	4.9	15