

# Patrick Varilly

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/9393073/publications.pdf>

Version: 2024-02-01

21  
papers

8,449  
citations

430754

18  
h-index

752573

20  
g-index

21  
all docs

21  
docs citations

21  
times ranked

14152  
citing authors

#	ARTICLE	IF	CITATIONS
1	A second generation human haplotype map of over 3.1 million SNPs. <i>Nature</i> , 2007, 449, 851-861.	13.7	4,137
2	Genome-wide detection and characterization of positive selection in human populations. <i>Nature</i> , 2007, 449, 913-918.	13.7	1,788
3	Positive Natural Selection in the Human Lineage. <i>Science</i> , 2006, 312, 1614-1620.	6.0	1,037
4	Fluctuations of Water near Extended Hydrophobic and Hydrophilic Surfaces. <i>Journal of Physical Chemistry B</i> , 2010, 114, 1632-1637.	1.2	254
5	Sitting at the Edge: How Biomolecules use Hydrophobicity to Tune Their Interactions and Function. <i>Journal of Physical Chemistry B</i> , 2012, 116, 2498-2503.	1.2	191
6	The Case for Selection at CCR5-Δ32. <i>PLoS Biology</i> , 2005, 3, e378.	2.6	190
7	Extended surfaces modulate hydrophobic interactions of neighboring solutes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 17678-17683.	3.3	140
8	Water Evaporation: A Transition Path Sampling Study. <i>Journal of Physical Chemistry B</i> , 2013, 117, 1419-1428.	1.2	108
9	A general theory of DNA-mediated and other valence-limited colloidal interactions. <i>Journal of Chemical Physics</i> , 2012, 137, 094108.	1.2	96
10	Quantifying Density Fluctuations in Volumes of All Shapes and Sizes Using Indirect Umbrella Sampling. <i>Journal of Statistical Physics</i> , 2011, 145, 265-275.	0.5	90
11	An improved coarse-grained model of solvation and the hydrophobic effect. <i>Journal of Chemical Physics</i> , 2011, 134, 074109.	1.2	76
12	Mobile Linkers on DNA-Coated Colloids: Valency without Patches. <i>Physical Review Letters</i> , 2014, 113, 128303.	2.9	75
13	Searching for signals of evolutionary selection in 168 genes related to immune function. <i>Human Genetics</i> , 2006, 119, 92-102.	1.8	67
14	Communication: A simple analytical formula for the free energy of ligand-receptor-mediated interactions. <i>Journal of Chemical Physics</i> , 2013, 138, 021102.	1.2	52
15	Effect of Inert Tails on the Thermodynamics of DNA Hybridization. <i>Journal of the American Chemical Society</i> , 2014, 136, 6538-6541.	6.6	44
16	Predicting DNA-mediated colloidal pair interactions. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, E378-9; author reply E380.	3.3	30
17	Consistent Treatment of Hydrophobicity in Protein Lattice Models Accounts for Cold Denaturation. <i>Physical Review Letters</i> , 2016, 116, 078101.	2.9	29
18	Transcendental obstructions to weak approximation on general K3 surfaces. <i>Advances in Mathematics</i> , 2011, 228, 1377-1404.	0.5	28

#	ARTICLE	IF	CITATIONS
19	Designing stimulus-sensitive colloidal walkers. <i>Soft Matter</i> , 2014, 10, 3463-3470.	1.2	13
20	Diquark correlations in a hadron from lattice QCD. , 2012, , .		2
21	Intra-chain organisation of hydrophobic residues controls inter-chain aggregation rates of amphiphilic polymers. <i>Journal of Chemical Physics</i> , 2017, 146, 135102.	1.2	2