

# Vladimir V Zitserman

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8773435/publications.pdf>

Version: 2024-02-01

12  
papers

421  
citations

1307594

7  
h-index

1199594

12  
g-index

12  
all docs

12  
docs citations

12  
times ranked

247  
citing authors

#	ARTICLE	IF	CITATIONS
1	Kinetics of escape through a small hole. Journal of Chemical Physics, 2002, 116, 9574-9577.	3.0	149
2	Boundary homogenization for trapping by patchy surfaces. Journal of Chemical Physics, 2004, 121, 11390.	3.0	109
3	Homogenization of boundary conditions on surfaces randomly covered by patches of different sizes and shapes. Journal of Chemical Physics, 2005, 122, 236102.	3.0	41
4	Transient diffusion in a tube with dead ends. Journal of Chemical Physics, 2007, 127, 224712.	3.0	41
5	Time-dependent diffusion in tubes with periodic partitions. Journal of Chemical Physics, 2009, 131, 104705.	3.0	41
6	Particle size effect on diffusion in tubes with dead ends: Nonmonotonic size dependence of effective diffusion constant. Journal of Chemical Physics, 2008, 129, 184706.	3.0	16
7	Diffusion in quasi-one-dimensional structures with a periodic sharp narrowing of the cross section. Russian Journal of Physical Chemistry B, 2009, 3, 313-319.	1.3	9
8	Escape from a cavity through a small window: Turnover of the rate as a function of friction constant. Journal of Chemical Physics, 2006, 125, 194501.	3.0	6
9	Drift of particles caused by fluctuations of their sizes. JETP Letters, 2017, 105, 335-340.	1.4	6
10	The kinetics of overcoming the "entropy barrier". Russian Journal of Physical Chemistry A, 2006, 80, 77-83.	0.6	1
11	The trapping of diffusing particles by absorbing surface centers. Russian Journal of Physical Chemistry A, 2006, 80, 1129-1134.	0.6	1
12	Biased diffusion in tubes of alternating diameter: Numerical study over a wide range of biasing force. Journal of Chemical Physics, 2015, 143, 174102.	3.0	1