Vladimir V Palyulin

List of Publications by Year
in descending order

19 papers	518 citations	759233 12 h-index	839539 18 g-index
19 all docs	19 docs citations	19 times ranked	526 citing authors

#	Article	IF	Citations
1	Non-Markovian diffusion of excitons in layered perovskites and transition metal dichalcogenides. Physical Chemistry Chemical Physics, 2022, 24, 13941-13950.	2.8	12
2	Free energies of polymer brushes with mobile anchors in a good solvent calculated with the expanded ensemble method. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2022, 649, 129443.	4.7	0
3	A Study of First-Passage Time Minimization via Q-Learning in Heated Gridworlds. IEEE Access, 2021, 9, 159349-159363.	4.2	1
4	Scaling up the lattice dynamics of amorphous materials by orders of magnitude. Physical Review B, 2020, 102, .	3.2	8
5	First passage and first hitting times of Lévy flights and Lévy walks. New Journal of Physics, 2019, 21, 103028.	2.9	54
6	Damping of Cu-Associated Photoluminescence and Formation of Induced Absorption in Heavily Cu-Doped CdSe Quantum Dots. Journal of Physical Chemistry C, 2019, 123, 27986-27992.	3.1	16
7	Interpretation of the Vibrational Spectra of Glassy Polymers Using Coarse-Grained Simulations. Macromolecules, 2018, 51, 1559-1572.	4.8	25
8	Parameter-free predictions of the viscoelastic response of glassy polymers from non-affine lattice dynamics. Soft Matter, 2018, 14, 8475-8482.	2.7	45
9	Nonmonotonic dependence of polymer-glass mechanical response on chain bending stiffness. Physical Review E, 2017, 96, 030501.	2.1	16
10	Comparison of pure and combined search strategies for single and multiple targets. European Physical Journal B, 2017, 90, 1.	1.5	23
11	The efficiency of driving chemical reactions by a physical non-equilibrium is kinetically controlled. Physical Chemistry Chemical Physics, 2016, 18, 20135-20143.	2.8	5
12	Search reliability and search efficiency of combined Lévy–Brownian motion: long relocations mingled with thorough local exploration. Journal of Physics A: Mathematical and Theoretical, 2016, 49, 394002.	2.1	30
13	Speeding up the first-passage for subdiffusion by introducing a finite potential barrier. Journal of Physics A: Mathematical and Theoretical, 2014, 47, 032002.	2.1	4
14	Lévy flights do not always optimize random blind search for sparse targets. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 2931-2936.	7.1	167
15	Space-fractional Fokker–Planck equation and optimization of random search processes in the presence of an external bias. Journal of Statistical Mechanics: Theory and Experiment, 2014, 2014, P11031.	2.3	23
16	How a finite potential barrier decreases the mean first-passage time. Journal of Statistical Mechanics: Theory and Experiment, 2012, 2012, L03001.	2.3	16
17	Surface induced self-organization of comb-like macromolecules. Beilstein Journal of Nanotechnology, 2011, 2, 569-584.	2.8	8
18	Mixed versus Ordinary Micelles in the Dilute Solution of AB and BC Diblock Copolymers. Macromolecules, 2008, 41, 4459-4463.	4.8	46

#	Article	IF	Citations
19	Microphase separation of double-grafted copolymers (centipedes) with gradient, random, and regular sequence of the branch points. Journal of Chemical Physics, 2007, 127, 124903.	3.0	19