

# Gleb Oshanin

## List of Publications by Year in descending order

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151  
papers

4,478  
citations

76322

40  
h-index

149686

56  
g-index

152  
all docs

152  
docs citations

152  
times ranked

2070  
citing authors

| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 1  | Droplet Spreading: Partial Wetting Regime Revisited. <i>Langmuir</i> , 1999, 15, 2209-2216.  | 3.5 | 230       |
| 2  | First-Passage Phenomena and Their Applications. , 2014, , .  |     | 186       |
| 3  | Precursor films in wetting phenomena. <i>Journal of Physics Condensed Matter</i> , 2012, 24, 243102.   | 1.8 | 136       |
| 4  | First passages in bounded domains: When is the mean first passage time meaningful?. <i>Physical Review E</i> , 2012, 86, 031143.                             | 2.1 | 124       |
| 5  | Survival of an evasive prey. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 13696-13701.                | 7.1 | 101       |
| 6  | First passages for a search by a swarm of independent random searchers. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , 2011, 2011, P06022. | 2.3 | 100       |
| 7  | Strong defocusing of molecular reaction times results from an interplay of geometry and reaction control. <i>Communications Chemistry</i> , 2018, 1, .       | 4.5 | 93        |
| 8  | Geometry-Induced Superdiffusion in Driven Crowded Systems. <i>Physical Review Letters</i> , 2013, 111, 260601.   | 7.8 | 74        |
| 9  | Confinement effects on diffusiophoretic self-propellers. <i>Journal of Chemical Physics</i> , 2009, 130, 194702.   | 3.0 | 73        |
| 10 | Microscopic Model of Upward Creep of an Ultrathin Wetting Film. <i>Physical Review Letters</i> , 1996, 76, 86-89.  | 7.8 | 71        |
| 11 | Kinetics of stochastically gated diffusion-limited reactions and geometry of random walk trajectories. <i>Physical Review E</i> , 2000, 61, 3388-3406.       | 2.1 | 66        |
| 12 | Motion of a driven tracer particle in a one-dimensional symmetric lattice gas. <i>Physical Review E</i> , 1996, 54, 3165-3172.                               | 2.1 | 65        |
| 13 | Spectral Content of a Single Non-Brownian Trajectory. <i>Physical Review X</i> , 2019, 9, .  | 8.9 | 65        |
| 14 | Active Transport in Dense Diffusive Single-File Systems. <i>Physical Review Letters</i> , 2013, 111, 038102.   | 7.8 | 63        |
| 15 | Microscopic Theory for Negative Differential Mobility in Crowded Environments. <i>Physical Review Letters</i> , 2014, 113, 268002.                           | 7.8 | 62        |
| 16 | Diffusive escape through a narrow opening: new insights into a classic problem. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 2723-2739.            | 2.8 | 62        |
| 17 | Power spectral density of a single Brownian trajectory: what one can and cannot learn from it. <i>New Journal of Physics</i> , 2018, 20, 023029.             | 2.9 | 62        |
| 18 | Two-temperature Langevin dynamics in a parabolic potential. <i>Physical Review E</i> , 2013, 87, 062130.   | 2.1 | 59        |

| #  | ARTICLE   | IF   | CITATIONS |
|----|---|------|-----------|
| 19 | Models of chemical reactions with participation of polymers. <i>Advances in Colloid and Interface Science</i> , 1994, 49, 1-46.                                       | 14.7 | 58        |
| 20 | Intermittent random walks for an optimal search strategy: one-dimensional case. <i>Journal of Physics Condensed Matter</i> , 2007, 19, 065142.                        | 1.8  | 58        |
| 21 | Trapping reactions with randomly moving traps: Exact asymptotic results for compact exploration. <i>Physical Review E</i> , 2002, 66, 060101.                         | 2.1  | 56        |
| 22 | Dynamics of Spreading of Liquid Microdroplets on Substrates of Increasing Surface Energies. <i>Langmuir</i> , 1998, 14, 5951-5958.                                    | 3.5  | 55        |
| 23 | Pascal principle for diffusion-controlled trapping reactions. <i>Physical Review E</i> , 2003, 67, 045104.  | 2.1  | 54        |
| 24 | Molecular Weight Dependence of Spreading Rates of Ultrathin Polymeric Films. <i>Physical Review Letters</i> , 1998, 80, 5377-5380.                                    | 7.8  | 52        |
| 25 | Bias- and bath-mediated pairing of particles driven through a quiescent medium. <i>Soft Matter</i> , 2011, 7, 993-1000.   | 2.7  | 52        |
| 26 | Survival probability of a particle in a sea of mobile traps: A tale of tails. <i>Physical Review E</i> , 2008, 78, 021105.  | 2.1  | 50        |
| 27 | Towards a full quantitative description of single-molecule reaction kinetics in biological cells. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 16393-16401. | 2.8  | 50        |
| 28 | Full distribution of first exit times in the narrow escape problem. <i>New Journal of Physics</i> , 2019, 21, 122001.   | 2.9  | 50        |
| 29 | Ultraslow vacancy-mediated tracer diffusion in two dimensions: The Einstein relation verified. <i>Physical Review E</i> , 2002, 66, 031101.                           | 2.1  | 49        |
| 30 | Efficient search by optimized intermittent random walks. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2009, 42, 434008.                                | 2.1  | 49        |
| 31 | Diffusion and Subdiffusion of Interacting Particles on Comblike Structures. <i>Physical Review Letters</i> , 2015, 115, 220601.                                       | 7.8  | 48        |
| 32 | Active colloids in the context of chemical kinetics. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2017, 50, 134001.                                    | 2.1  | 47        |
| 33 | Kinetic description of diffusion-limited reactions in random catalytic media. <i>Journal of Chemical Physics</i> , 1998, 108, 1140-1147.                              | 3.0  | 46        |
| 34 | Spectral content of fractional Brownian motion with stochastic reset. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2018, 51, 435001.                   | 2.1  | 46        |
| 35 | Dynamics and conformational properties of polyampholytes in external electrical fields. <i>Journal of Chemical Physics</i> , 1995, 103, 5070-5074.                    | 3.0  | 44        |
| 36 | Optimal estimates of the diffusion coefficient of a single Brownian trajectory. <i>Physical Review E</i> , 2012, 85, 031136.  | 2.1  | 44        |

| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 37 | Lattice theory of trapping reactions with mobile species. <i>Physical Review E</i> , 2004, 69, 046101.  | 2.1 | 42        |
| 38 | Random pure states: Quantifying bipartite entanglement beyond the linear statistics. <i>Physical Review E</i> , 2016, 93, 052106.   | 2.1 | 42        |
| 39 | Sample-size dependence of the ground-state energy in a one-dimensional localization problem. <i>Physical Review E</i> , 1996, 54, 231-242.                                | 2.1 | 41        |
| 40 | Charging dynamics of supercapacitors with narrow cylindrical nanopores. <i>Nanotechnology</i> , 2014, 25, 315401.   | 2.6 | 41        |
| 41 | Steady flux in a continuous-space Sinai chain. <i>Journal of Statistical Physics</i> , 1993, 73, 379-388.   | 1.2 | 40        |
| 42 | Spreading of a thin wetting film: Microscopic approach. <i>Physical Review E</i> , 1996, 54, 3832-3845.   | 2.1 | 40        |
| 43 | Narrow-escape times for diffusion in microdomains with a particle-surface affinity: Mean-field results. <i>Journal of Chemical Physics</i> , 2010, 132, 235101.           | 3.0 | 40        |
| 44 | Universal Long Ranged Correlations in Driven Binary Mixtures. <i>Physical Review Letters</i> , 2017, 118, 118002.   | 7.8 | 39        |
| 45 | Influence of transport limitations on the kinetics of homopolymerization reactions. <i>Journal of Chemical Physics</i> , 1995, 102, 2977-2985.                            | 3.0 | 38        |
| 46 | Nonlinear response and emerging nonequilibrium microstructures for biased diffusion in confined crowded environments. <i>Physical Review E</i> , 2016, 93, 032128.        | 2.1 | 37        |
| 47 | Single-trajectory spectral analysis of scaled Brownian motion. <i>New Journal of Physics</i> , 2019, 21, 073043.  | 2.9 | 36        |
| 48 | Tracer diffusion in crowded narrow channels. <i>Journal of Physics Condensed Matter</i> , 2018, 30, 443001.   | 1.8 | 34        |
| 49 | Helix or coil? Fate of a melting heteropolymer. <i>Europhysics Letters</i> , 2009, 85, 10008.   | 2.0 | 33        |
| 50 | Stokes Formula and Density Perturbances for Driven Tracer Diffusion in an Adsorbed Monolayer. <i>Physical Review Letters</i> , 2000, 84, 511-514.                         | 7.8 | 32        |
| 51 | Universal spectral features of different classes of random-diffusivity processes. <i>New Journal of Physics</i> , 2020, 22, 063056.                                       | 2.9 | 32        |
| 52 | From single-particle stochastic kinetics to macroscopic reaction rates: fastest first-passage time of N random walkers. <i>New Journal of Physics</i> , 2020, 22, 103004. | 2.9 | 32        |
| 53 | Anomalous Fluctuations of Currents in Sinai-Type Random Chains with Strongly Correlated Disorder. <i>Physical Review Letters</i> , 2013, 110, 100602.                     | 7.8 | 31        |
| 54 | Biased Diffusion in a One-Dimensional Adsorbed Monolayer. <i>Journal of Statistical Physics</i> , 1999, 97, 351-371.  | 1.2 | 29        |

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|----|--|-----|-----------|
| 55 | Dynamics and conformational properties of polyampholytes in external electrical fields: Influence of the charge distribution. <i>Macromolecular Theory and Simulations</i> , 1996, 5, 45-66. | 1.4 | 27        |
| 56 | Dewetting, partial wetting, and spreading of a two-dimensional monolayer on solid surface. <i>Physical Review E</i> , 1998, 58, R20-R23.   | 2.1 | 27        |
| 57 | A biased intruder in a dense quiescent medium: looking beyond the force-velocity relation. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , 2013, 2013, P05008.              | 2.3 | 27        |
| 58 | Behavior of transport characteristics in several one-dimensional disordered systems. <i>Chemical Physics</i> , 1993, 177, 803-819.   | 1.9 | 26        |
| 59 | Force-velocity relation and density profiles for biased diffusion in an adsorbed monolayer. <i>Physical Review B</i> , 2001, 63, .   | 3.2 | 26        |
| 60 | Diffusion in periodic, correlated random forcing landscapes. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2014, 47, 372001.   | 2.1 | 26        |
| 61 | Nonequilibrium Fluctuations and Enhanced Diffusion of a Driven Particle in a Dense Environment. <i>Physical Review Letters</i> , 2018, 120, 200606.  | 7.8 | 26        |
| 62 | Adsorption of reactive particles on a random catalytic chain: An exact solution. <i>Physical Review E</i> , 2003, 67, 016115.  | 2.1 | 25        |
| 63 | Effects of the target aspect ratio and intrinsic reactivity onto diffusive search in bounded domains. <i>New Journal of Physics</i> , 2017, 19, 103025.                                      | 2.9 | 25        |
| 64 | Generalized model for dynamic percolation. <i>Physical Review E</i> , 2000, 62, 3327-3339.   | 2.1 | 24        |
| 65 | Kinetics of diffusion-limited catalytically activated reactions: An extension of the Wilemski-Fixman approach. <i>Journal of Chemical Physics</i> , 2005, 123, 194506.                       | 3.0 | 24        |
| 66 | Contact line stability of ridges and drops. <i>Europhysics Letters</i> , 2007, 80, 66002.  | 2.0 | 24        |
| 67 | Temporal Correlations of the Running Maximum of a Brownian Trajectory. <i>Physical Review Letters</i> , 2016, 117, 080601.   | 7.8 | 24        |
| 68 | Rouse chain dynamics in layered random flows. <i>Physical Review E</i> , 1994, 49, 4185-4191.  | 2.1 | 23        |
| 69 | Symmetry breaking between statistically equivalent, independent channels in few-channel chaotic scattering. <i>Physical Review E</i> , 2011, 84, 035203.                                     | 2.1 | 22        |
| 70 | Asymmetry relations and effective temperatures for biased Brownian gyrators. <i>Physical Review E</i> , 2018, 98, .  | 2.1 | 22        |
| 71 | Single-species reactions on a random catalytic chain. <i>Journal of Physics A</i> , 2002, 35, L695-L705.   | 1.6 | 21        |
| 72 | A single predator charging a herd of prey: effects of self volume and predator-prey decision-making. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2016, 49, 225601.           | 2.1 | 21        |

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|----|---|-----|-----------|
| 73 | Smoluchowski approach for three-body reactions in one dimension. <i>Physical Review E</i> , 1995, 52, 5800-5805.  | 2.1 | 20        |
| 74 | Microscopic model for spreading of a two-dimensional monolayer. <i>Journal of Molecular Liquids</i> , 1998, 76, 195-219.  | 4.9 | 19        |
| 75 | Intermittent search strategies revisited: effect of the jump length and biased motion. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2010, 43, 345001.                              | 2.1 | 19        |
| 76 | Sample-to-sample fluctuations of power spectrum of a random motion in a periodic Sinai model. <i>Physical Review E</i> , 2016, 94, 032131.  | 2.1 | 19        |
| 77 | Dynamics and conformational properties of Rouse polymers in random layered flows. <i>Macromolecular Theory and Simulations</i> , 1995, 4, 87-109.   | 1.4 | 18        |
| 78 | Dynamics of a driven probe molecule in a liquid monolayer. <i>Europhysics Letters</i> , 1997, 38, 527-532.  | 2.0 | 18        |
| 79 | Two stock options at the races: Black-Scholes forecasts. <i>Quantitative Finance</i> , 2012, 12, 1325-1333.   | 1.7 | 18        |
| 80 | Phase behaviour and structure of a superionic liquid in nonpolarized nanoconfinement. <i>Journal of Physics Condensed Matter</i> , 2016, 28, 464007.  | 1.8 | 18        |
| 81 | Exactly Solvable Model of Reactions on a Random Catalytic Chain. <i>Journal of Statistical Physics</i> , 2003, 112, 541-586.  | 1.2 | 17        |
| 82 | Molecular motor with a built-in escapement device. <i>Europhysics Letters</i> , 2004, 68, 26-32.  | 2.0 | 17        |
| 83 | Velocity Anomaly of a Driven Tracer in a Confined Crowded Environment. <i>Physical Review Letters</i> , 2014, 113, 030603.  | 7.8 | 17        |
| 84 | Influence of auto-organization and fluctuations on the kinetics of a monomer-monomer catalytic scheme. <i>Physical Review E</i> , 2001, 63, 021110.   | 2.1 | 16        |
| 85 | Cooperative behavior of biased probes in crowded interacting systems. <i>Soft Matter</i> , 2017, 13, 7617-7624.   | 2.7 | 15        |
| 86 | Comment on "Pair and Triple Correlations in the A+B $\rightarrow$ C Diffusion-Controlled Reaction". <i>Physical Review Letters</i> , 1995, 75, 585-585.   | 7.8 | 14        |
| 87 | Kinetics of anchoring of polymer chains on substrates with chemically active sites. <i>Physical Review E</i> , 1998, 58, 6134-6144.   | 2.1 | 14        |
| 88 | Exactly Solvable Model of Monomer-Monomer Reactions on a Two-Dimensional Random Catalytic Substrate. <i>Physical Review Letters</i> , 2004, 93, 020602.   | 7.8 | 14        |
| 89 | Ballistic deposition patterns beneath a growing Kardar-Parisi-Zhang interface. <i>Physical Review E</i> , 2010, 82, 061107.   | 2.1 | 14        |
| 90 | Proportionate vs disproportionate distribution of wealth of two individuals in a tempered Paretian ensemble. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2011, 390, 4340-4346. | 2.6 | 14        |

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|-----|--|-----|-----------|
| 91  | Anomalous field-induced growth of fluctuations in dynamics of a biased intruder moving in a quiescent medium. <i>Physical Review E</i> , 2013, 87, 020103.                               | 2.1 | 14        |
| 92  | Fluctuations and correlations of a driven tracer in a hard-core lattice gas. <i>Physical Review E</i> , 2013, 87, .  | 2.1 | 14        |
| 93  | Polymer Translocation Across a Corrugated Channel: Fick's-Jacobs Approximation Extended Beyond the Mean First-Passage Time. <i>Polymers</i> , 2019, 11, 251.                             | 4.5 | 14        |
| 94  | Directed random walk in adsorbed monolayer. <i>Physica A: Statistical Mechanics and Its Applications</i> , 1999, 272, 56-86.   | 2.6 | 13        |
| 95  | Dissipation Processes at the Mesoscopic and Molecular Scale. The Case of Polymer Films. <i>Langmuir</i> , 1999, 15, 1522-1527.   | 3.5 | 13        |
| 96  | Anchoring of Polymers by Traps Randomly Placed on a Line. <i>Journal of Statistical Physics</i> , 2000, 98, 281-303.   | 1.2 | 13        |
| 97  | Optimal fits of diffusion constants from single-time data points of Brownian trajectories. <i>Physical Review E</i> , 2012, 86, 060101.  | 2.1 | 13        |
| 98  | Distribution of the least-squares estimators of a single Brownian trajectory diffusion coefficient. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , 2013, 2013, P04017. | 2.3 | 13        |
| 99  | Direct energy transfer in solutions of ideal polymer chains. <i>Journal of Chemical Physics</i> , 1995, 103, 9864-9875.  | 3.0 | 11        |
| 100 | Polymer dynamics in time-dependent Matheron's de Marsily flows: An exactly solvable model. <i>Physical Review E</i> , 2000, 63, 011801.  | 2.1 | 11        |
| 101 | Catalytic reactions with bulk-mediated excursions: Mixing fails to restore chemical equilibrium. <i>Physical Review E</i> , 2004, 69, 036115.  | 2.1 | 11        |
| 102 | Approach to asymptotically diffusive behavior for Brownian particles in periodic potentials: Extracting information from transients. <i>Physical Review E</i> , 2014, 90, 022112.        | 2.1 | 11        |
| 103 | Distribution of the position of a driven tracer in a hardcore lattice gas. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , 2015, 2015, P11016.                          | 2.3 | 11        |
| 104 | Joint distributions of partial and global maxima of a Brownian bridge. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2016, 49, 335002.                                     | 2.1 | 11        |
| 105 | Superionic Liquids in Conducting Nanoslits: Insights from Theory and Simulations. <i>Journal of Physical Chemistry C</i> , 2021, 125, 4968-4976.   | 3.1 | 11        |
| 106 | Fluctuation-dominated $A+B \rightarrow O$ kinetics under short-ranged interparticle interactions. <i>Journal of Chemical Physics</i> , 1996, 105, 6304-6314.                             | 3.0 | 10        |
| 107 | On the Distribution of Surface Extrema in Several One- and Two-dimensional Random Landscapes. <i>Journal of Statistical Physics</i> , 2007, 126, 243-279.                                | 1.2 | 10        |
| 108 | Post-Tanner stages of droplet spreading: the energy balance approach revisited. <i>Journal of Physics Condensed Matter</i> , 2009, 21, 464131.   | 1.8 | 10        |

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|-----|--|-----|-----------|
| 109 | Tracer diffusion on a crowded random Manhattan lattice. <i>New Journal of Physics</i> , 2020, 22, 033024.  | 2.9 | 10        |
| 110 | Spectral density of individual trajectories of an active Brownian particle. <i>New Journal of Physics</i> , 2022, 24, 013018.  | 2.9 | 10        |
| 111 | Atomic slide puzzle: Self-diffusion of an impure atom. <i>Physical Review E</i> , 2001, 64, 020103.  | 2.1 | 9         |
| 112 | Current-mediated synchronization of a pair of beating non-identical flagella. <i>New Journal of Physics</i> , 2019, 21, 033036.  | 2.9 | 9         |
| 113 | Superionic liquids in conducting nanoslits: A variety of phase transitions and ensuing charging behavior. <i>Journal of Chemical Physics</i> , 2019, 151, 184105.        | 3.0 | 9         |
| 114 | Exact first-passage time distributions for three random diffusivity models. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2021, 54, 04LT01.                | 2.1 | 9         |
| 115 | Exactly solvable model of $A + A \xrightarrow{0}$ reactions on a heterogeneous catalytic chain. <i>Europhysics Letters</i> , 2003, 62, 69-75.                            | 2.0 | 8         |
| 116 | Reversible diffusion-limited reactions: Chemical Equilibrium state and the Law of Mass Action revisited. <i>Europhysics Letters</i> , 2005, 69, 177-183.                 | 2.0 | 8         |
| 117 | Optimal least-squares estimators of the diffusion constant from a single Brownian trajectory. <i>European Physical Journal: Special Topics</i> , 2013, 216, 57-71.       | 2.6 | 8         |
| 118 | Exact distributions of the maximum and range of random diffusivity processes. <i>New Journal of Physics</i> , 2021, 23, 023014.  | 2.9 | 8         |
| 119 | Biased Tracer Diffusion in Hard-Core Lattice Gases: Some Notes on the Validity of the Einstein Relation. <i>Nonlinear Phenomena and Complex Systems</i> , 2004, , 33-74. | 0.0 | 8         |
| 120 | Correlation-induced non-monotonic behavior of reversible chemical reactions. <i>Journal of Molecular Liquids</i> , 1995, 63, 175-197.                                    | 4.9 | 7         |
| 121 | Stochastic theory of diffusion-controlled reactions. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2003, 327, 99-104.                                   | 2.6 | 7         |
| 122 | Saltatory drift in a randomly driven two-wave potential. <i>Journal of Physics Condensed Matter</i> , 2005, 17, S3697-S3707.   | 1.8 | 7         |
| 123 | Diffusive spreading and mixing of fluid monolayers. <i>Journal of Physics Condensed Matter</i> , 2005, 17, S4189-S4198.  | 1.8 | 7         |
| 124 | Post-Tanner spreading of nematic droplets. <i>Journal of Physics Condensed Matter</i> , 2009, 21, 464134.  | 1.8 | 7         |
| 125 | On the structure and phase transitions of power-law Poissonian ensembles. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2012, 45, 405003.                  | 2.1 | 7         |
| 126 | Trajectory-to-Trajectory Fluctuations in First-Passage Phenomena in Bounded Domains. , 2014, , 203-225.  |     | 7         |



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|-----|--|-----|-----------|
| 127 | Field-driven tracer diffusion through curved bottlenecks: fine structure of first passage events. <i>Physical Chemistry Chemical Physics</i> , 2020, 22, 18414-18422.  | 2.8 | 7         |
| 128 | Bath-mediated interactions between driven tracers in dense single files. <i>Physical Review Research</i> , 2019, 1, .  | 3.6 | 7         |
| 129 | Distribution of first-reaction times with target regions on boundaries of shell-like domains. <i>New Journal of Physics</i> , 2021, 23, 123049.  | 2.9 | 7         |
| 130 | Passive advection of fractional Brownian motion by random layered flows. <i>New Journal of Physics</i> , 2020, 22, 053052.   | 2.9 | 6         |
| 131 | Time-dependence of the effective temperatures of a two-dimensional Brownian gyrator with cold and hot components. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2021, 54, 105002.  | 2.1 | 6         |
| 132 | Smoluchowski rate for diffusion-controlled reactions of molecules with antenna. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2017, 50, 264004.  | 2.1 | 5         |
| 133 | Order-disorder transitions in lattice gases with annealed reactive constraints. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , 2018, 2018, 043206.   | 2.3 | 5         |
| 134 | $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"} \rangle \langle \text{mml:mi} \rangle N \langle \text{mml:mi} \rangle \langle \text{mml:math} \rangle$ -tag probability law of the symmetric exclusion process. <i>Physical Review E</i> , 2018, 97, 062119. | 2.1 | 5         |
| 135 | Binary reactive adsorbate on a random catalytic substrate. <i>Journal of Physics Condensed Matter</i> , 2007, 19, 065126.  | 1.8 | 4         |
| 136 | Finding passwords by random walks: how long does it take?. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2009, 42, 434016.   | 2.1 | 4         |
| 137 | On the non-equivalence of two standard random walks. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2013, 392, 3909-3911.  | 2.6 | 4         |
| 138 | Covariance of the running range of a Brownian trajectory. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2019, 52, 345003.  | 2.1 | 4         |
| 139 | Special issue on transport in narrow channels. <i>Journal of Physics Condensed Matter</i> , 2019, 31, 270201.  | 1.8 | 4         |
| 140 | A molecular relay race: sequential first-passage events to the terminal reaction centre in a cascade of diffusion controlled processes. <i>New Journal of Physics</i> , 2021, 23, 093004.  | 2.9 | 4         |
| 141 | Ionic liquids in conducting nanoslits: how important is the range of the screened electrostatic interactions?. <i>Journal of Physics Condensed Matter</i> , 2022, 34, 26LT01.  | 1.8 | 4         |
| 142 | Dynamical disorder in diffusion-limited reactions. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2002, 306, 169-179.  | 2.6 | 3         |
| 143 | Microscopic model of charge carrier transfer in complex media. <i>Chemical Physics</i> , 2005, 319, 16-27.   | 1.9 | 3         |
| 144 | Trapping of diffusing particles by periodic absorbing rings on a cylindrical tube. <i>Journal of Chemical Physics</i> , 2019, 150, 206101.   | 3.0 | 3         |

| #   | ARTICLE   | IF  | CITATIONS |
|-----|---|-----|-----------|
| 145 | Distribution of Schmidt-like eigenvalues for Gaussian ensembles of the random matrix theory. Journal of Physics A: Mathematical and Theoretical, 2013, 46, 115002.        | 2.1 | 2         |
| 146 | Intrinsic friction of adsorbed monolayers. Journal of Physics Condensed Matter, 2001, 13, 4835-4851.  | 1.8 | 1         |
| 147 | The shadow principle: An optimal survival strategy for a prey chased by random predators. Physica A: Statistical Mechanics and Its Applications, 2013, 392, 2837-2846.    | 2.6 | 1         |
| 148 | Equilibrium properties of two-species reactive lattice gases on random catalytic chains. Physical Review E, 2020, 102, 032121.  | 2.1 | 1         |
| 149 | Recognition capabilities of a Hopfield model with auxiliary hidden neurons. Physical Review E, 2021, 103, L060401.  | 2.1 | 1         |
| 150 | Dynamics of wetting. Journal of Physics Condensed Matter, 2009, 21, 460302.   | 1.8 | 0         |
| 151 | Binary lattice-gases of particles with soft exclusion: exact phase diagrams for tree-like lattices. Journal of Physics A: Mathematical and Theoretical, 2021, 54, 385003. | 2.1 | 0         |