

Henri Orland

List of Publications by Year in descending order

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162
papers

7,058
citations

53751

45
h-index

62565

80
g-index

167
all docs

167
docs citations

167
times ranked

4511
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | Steric Effects in Electrolytes: A Modified Poisson-Boltzmann Equation. <i>Physical Review Letters</i> , 1997, 79, 435-438. | 2.9 | 818 |
| 2 | Theory of critical micelle concentration for solutions of block copolymers. <i>Journal of Chemical Physics</i> , 1983, 79, 3550-3557. | 1.2 | 362 |
| 3 | Beyond Poisson-Boltzmann: Fluctuation effects and correlation functions. <i>European Physical Journal E</i> , 2000, 1, 203. | 0.7 | 268 |
| 4 | Adsorption of large ions from an electrolyte solution: a modified Poisson-Boltzmann equation. <i>Electrochimica Acta</i> , 2000, 46, 221-229. | 2.6 | 261 |
| 5 | Dipolar Poisson-Boltzmann Equation: Ions and Dipoles Close to Charge Interfaces. <i>Physical Review Letters</i> , 2007, 99, 077801. | 2.9 | 214 |
| 6 | Dielectric Constant of Ionic Solutions: A Field-Theory Approach. <i>Physical Review Letters</i> , 2012, 108, 227801. | 2.9 | 195 |
| 7 | Mean-Field Model for Protein Folding. <i>Europhysics Letters</i> , 1988, 6, 307-310. | 0.7 | 177 |
| 8 | Dominant Pathways in Protein Folding. <i>Physical Review Letters</i> , 2006, 97, 108101. | 2.9 | 143 |
| 9 | Variational charge renormalization in charged systems. <i>European Physical Journal E</i> , 2003, 11, 301-311. | 0.7 | 138 |
| 10 | White and weighted averages over solutions of Thouless Anderson Palmer equations for the Sherrington Kirkpatrick spin glass. <i>Journal De Physique</i> , 1980, 41, 923-930. | 1.8 | 121 |
| 11 | Polyelectrolyte Titration: Theory and Experiment. <i>Journal of Physical Chemistry B</i> , 2000, 104, 11027-11034. | 1.2 | 116 |
| 12 | Thermal fluctuations in some random field models. <i>Journal of Statistical Physics</i> , 1988, 51, 1-27. | 0.5 | 114 |
| 13 | Scaling Laws of Polyelectrolyte Adsorption. <i>Macromolecules</i> , 1998, 31, 1665-1671. | 2.2 | 113 |
| 14 | Field theory for charged fluids and colloids. <i>Europhysics Letters</i> , 1999, 45, 726-732. | 0.7 | 110 |
| 15 | Localization Transition of Random Chains at Interfaces. <i>Europhysics Letters</i> , 1989, 8, 9-13. | 0.7 | 107 |
| 16 | Phase diagram of a semiflexible polymer chain in a $\hat{\epsilon}$ solvent: Application to protein folding. <i>Journal of Chemical Physics</i> , 1996, 105, 1601-1608. | 1.2 | 103 |
| 17 | Topological Classification of RNA Structures. <i>Journal of Molecular Biology</i> , 2008, 379, 900-911. | 2.0 | 97 |
| 18 | Effect of Polyelectrolyte Adsorption on Intercolloidal Forces. <i>Journal of Physical Chemistry B</i> , 1999, 103, 5042-5057. | 1.2 | 91 |

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|----|---|-----|-----------|
| 19 | AquaSAXS: a web server for computation and fitting of SAXS profiles with non-uniformly hydrated atomic models. <i>Nucleic Acids Research</i> , 2011, 39, W184-W189. | 6.5 | 91 |
| 20 | Polyelectrolyte Solutions between Charged Surfaces. <i>Europhysics Letters</i> , 1995, 32, 499-504. | 0.7 | 88 |
| 21 | RNA folding and large N matrix theory. <i>Nuclear Physics B</i> , 2002, 620, 456-476. | 0.9 | 84 |
| 22 | Two-body collisions and time dependent Hartree-Fock theory. <i>Zeitschrift für Physik A</i> , 1979, 290, 191-204. | 1.4 | 78 |
| 23 | Wetting of a Disordered Substrate: Exact Critical Behavior in Two Dimensions. <i>Physical Review Letters</i> , 1986, 57, 2184-2187. | 2.9 | 75 |
| 24 | Path integrals for the nuclear many-body problem. <i>Physical Review C</i> , 1981, 24, 1740-1761. | 1.1 | 74 |
| 25 | Incorporating Dipolar Solvents with Variable Density in Poisson-Boltzmann Electrostatics. <i>Biophysical Journal</i> , 2008, 95, 5587-5605. | 0.2 | 73 |
| 26 | Dynamics of the swelling or collapse of a homopolymer. <i>Europhysics Letters</i> , 1998, 41, 467-472. | 0.7 | 72 |
| 27 | Chemical Sequence and Spatial Structure in Simple Models of Biopolymers. <i>Europhysics Letters</i> , 1988, 6, 597-601. | 0.7 | 69 |
| 28 | Variational theory for a single polyelectrolyte chain. <i>European Physical Journal B</i> , 1999, 8, 81-98. | 0.6 | 69 |
| 29 | Chiral discrimination in solutions and in Langmuir monolayers. <i>Journal of the American Chemical Society</i> , 1993, 115, 12322-12329. | 6.6 | 68 |
| 30 | An evaluation of the number of Hamiltonian paths. <i>Journal De Physique (Paris), Lettres</i> , 1985, 46, 353-357. | 2.8 | 67 |
| 31 | Quantitative Protein Dynamics from Dominant Folding Pathways. <i>Physical Review Letters</i> , 2007, 99, 118102. | 2.9 | 67 |
| 32 | Guided replication of random chain: a new Monte Carlo method. <i>Journal of Physics A</i> , 1990, 23, L621-L626. | 1.6 | 66 |
| 33 | Scaling behavior of polyelectrolytes and polyampholytes: Simulation by an ensemble growth method. <i>Journal of Chemical Physics</i> , 1991, 95, 4506-4518. | 1.2 | 66 |
| 34 | Mean-field theory for optimization problems. <i>Journal De Physique (Paris), Lettres</i> , 1985, 46, 763-770. | 2.8 | 66 |
| 35 | Magnetic phase structure on the Penrose lattice. <i>Journal of Statistical Physics</i> , 1986, 45, 777-800. | 0.5 | 63 |
| 36 | Knotted vs. Unknotted Proteins: Evidence of Knot-Promoting Loops. <i>PLoS Computational Biology</i> , 2010, 6, e1000864. | 1.5 | 63 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 37 | PDB_Hydro: incorporating dipolar solvents with variable density in the Poisson-Boltzmann treatment of macromolecule electrostatics. <i>Nucleic Acids Research</i> , 2006, 34, W38-W42. | 6.5 | 62 |
| 38 | Effective Langevin equations for constrained stochastic processes. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , 2015, 2015, P06039. | 0.9 | 62 |
| 39 | On the response of a two-level quantum system to a class of time-dependent quasiperiodic perturbations. <i>Journal of Statistical Physics</i> , 1988, 53, 551-564. | 0.5 | 61 |
| 40 | Beyond the Poisson-Boltzmann Model: Modeling Biomolecule-Water and Water-Water Interactions. <i>Physical Review Letters</i> , 2009, 102, 087801. | 2.9 | 56 |
| 41 | Dipolar Poisson-Boltzmann approach to ionic solutions: A mean field and loop expansion analysis. <i>Journal of Chemical Physics</i> , 2013, 139, 164909. | 1.2 | 55 |
| 42 | A simple model for DNA denaturation. <i>Europhysics Letters</i> , 2001, 55, 132-138. | 0.7 | 50 |
| 43 | Lower Critical Dimension of the Random-Field Ising Model: A Monte Carlo Study. <i>Physical Review Letters</i> , 1984, 52, 145-148. | 2.9 | 49 |
| 44 | On the Bethe ansatz for random directed polymers. <i>Journal of Statistical Physics</i> , 1990, 61, 877-884. | 0.5 | 49 |
| 45 | Partially Folded States of Proteins: Characterization by X-ray Scattering. <i>Journal of Molecular Biology</i> , 1995, 254, 960-967. | 2.0 | 49 |
| 46 | Generating transition paths by Langevin bridges. <i>Journal of Chemical Physics</i> , 2011, 134, 174114. | 1.2 | 47 |
| 47 | Single particle states in nuclei. <i>Nuclear Physics A</i> , 1978, 299, 442-464. | 0.6 | 45 |
| 48 | Test-charge theory for the electric double layer. <i>Physical Review E</i> , 2004, 70, 016102. | 0.8 | 43 |
| 49 | Anharmonicity and Self-Similarity of the Free Energy Landscape of ProteinG. <i>Physical Review Letters</i> , 2007, 98, 048102. | 2.9 | 43 |
| 50 | Enumeration of RNA Structures by Matrix Models. <i>Physical Review Letters</i> , 2005, 94, 168103. | 2.9 | 42 |
| 51 | Transition path time distributions. <i>Journal of Chemical Physics</i> , 2017, 147, 214103. | 1.2 | 40 |
| 52 | Dielectric constant of ionic solutions: Combined effects of correlations and excluded volume. <i>Journal of Chemical Physics</i> , 2018, 149, 054504. | 1.2 | 40 |
| 53 | Conformational distribution of heptaalanine: Analysis using a new Monte Carlo chain growth method. <i>Journal of Computational Chemistry</i> , 1992, 13, 1216-1233. | 1.5 | 37 |
| 54 | Computational Assembly of Polymorphic Amyloid Fibrils Reveals Stable Aggregates. <i>Biophysical Journal</i> , 2013, 104, 683-693. | 0.2 | 36 |

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|----|---|------|-----------|
| 55 | Generalized Poland-Scheraga model for DNA hybridization. <i>Biopolymers</i> , 2004, 75, 453-467. | 1.2 | 35 |
| 56 | Dominant reaction pathways in high-dimensional systems. <i>Journal of Chemical Physics</i> , 2009, 130, 064106. | 1.2 | 35 |
| 57 | Dominant reaction pathways in protein folding: A direct validation against molecular dynamics simulations. <i>Journal of Chemical Physics</i> , 2010, 133, 045104. | 1.2 | 34 |
| 58 | Phase diagram of magnetic polymers. <i>European Physical Journal B</i> , 1999, 12, 261-268. | 0.6 | 33 |
| 59 | TT2NE: a novel algorithm to predict RNA secondary structures with pseudoknots. <i>Nucleic Acids Research</i> , 2011, 39, e93-e93. | 6.5 | 32 |
| 60 | Absence of knots in known RNA structures. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 2052-2057. | 3.3 | 31 |
| 61 | Mechanism of Thermal Renaturation and Hybridization of Nucleic Acids: Kramers's Process and Universality in Watson-Crick Base Pairing. <i>Journal of Physical Chemistry B</i> , 2009, 113, 3715-3725. | 1.2 | 30 |
| 62 | Effect of Memory and Active Forces on Transition Path Time Distributions. <i>Journal of Physical Chemistry B</i> , 2018, 122, 11186-11194. | 1.2 | 30 |
| 63 | MISTRAL: a tool for energy-based multiple structural alignment of proteins. <i>Bioinformatics</i> , 2009, 25, 2663-2669. | 1.8 | 29 |
| 64 | McGenus: a Monte Carlo algorithm to predict RNA secondary structures with pseudoknots. <i>Nucleic Acids Research</i> , 2013, 41, 1895-1900. | 6.5 | 29 |
| 65 | Random hydrophilic-hydrophobic copolymers. <i>Journal De Physique II</i> , 1994, 4, 2139-2148. | 0.9 | 28 |
| 66 | Exact critical behavior of two-dimensional wetting problems with quenched disorder. <i>Journal of Statistical Physics</i> , 1988, 51, 29-56. | 0.5 | 27 |
| 67 | Energies of Parameter-Dependent Systems. <i>Physical Review Letters</i> , 1979, 42, 285-287. | 2.9 | 26 |
| 68 | A field-theoretic approach to non-equilibrium work identities. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2011, 44, 095002. | 0.7 | 26 |
| 69 | Computing Ion Solvation Free Energies Using the Dipolar Poisson Model. <i>Journal of Physical Chemistry B</i> , 2009, 113, 5694-5697. | 1.2 | 25 |
| 70 | Tailoring Nanostructures Using Copolymer Nanoimprint Lithography. <i>Advanced Materials</i> , 2012, 24, 1952-1955. | 11.1 | 24 |
| 71 | Random Field Ising Model: Dimensional Reduction or Spin-Glass Phase?. <i>Journal De Physique, I</i> , 1995, 5, 987-1001. | 1.2 | 24 |
| 72 | Protein Adsorption on Lipid Monolayers at their Coexistence Region. <i>Journal De Physique II</i> , 1996, 6, 1023-1047. | 0.9 | 23 |

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|----|--|-----|-----------|
| 73 | Phase Behavior of DNA in the Presence of DNA-Binding Proteins. Biophysical Journal, 2016, 110, 51-62. | 0.2 | 22 |
| 74 | <i>Ab initio</i> sampling of transition paths by conditioned Langevin dynamics. Journal of Chemical Physics, 2017, 147, 152703. | 1.2 | 22 |
| 75 | Conductivity of Concentrated Electrolytes. Physical Review Letters, 2022, 128, 098002. | 2.9 | 22 |
| 76 | Variational study of the random-field XY model. Physical Review B, 1996, 53, R2941-R2944. | 1.1 | 21 |
| 77 | Dynamics of polymers: A mean-field theory. Journal of Chemical Physics, 2014, 140, 084902. | 1.2 | 21 |
| 78 | Impact of Loop Statistics on the Thermodynamics of RNA Folding. Physical Review Letters, 2008, 101, 048103. | 2.9 | 20 |
| 79 | Path integrals and time-dependent mean-field theories. Journal De Physique (Paris), Lettres, 1980, 41, 53-56. | 2.8 | 20 |
| 80 | One-dimensional random Ising models. Journal of Physics A, 1985, 18, 621-639. | 1.6 | 19 |
| 81 | Wetting of a disordered substrate. Physical Review B, 1985, 32, 4683-4686. | 1.1 | 19 |
| 82 | Mean-field theory of polymer melting. Journal of Physics A, 1992, 25, L1323-L1329. | 1.6 | 19 |
| 83 | Simple Integral Equation for the Polymer Brush. Macromolecules, 1996, 29, 713-717. | 2.2 | 18 |
| 84 | Block Copolymer at Nano-Patterned Surfaces. Macromolecules, 2010, 43, 7261-7268. | 2.2 | 18 |
| 85 | Organization of Block Copolymers using Nanoimprint Lithography: Comparison of Theory and Experiments. Macromolecules, 2011, 44, 2206-2211. | 2.2 | 18 |
| 86 | Flory theory revisited. Journal De Physique, I, 1994, 4, 101-114. | 1.2 | 17 |
| 87 | A Disorder-Dependent Variational Method Without Replicas: Application to the Random Phase Sine-Gordon Model. Europhysics Letters, 1995, 30, 203-208. | 0.7 | 17 |
| 88 | Formation and stability of secondary structures in globular proteins. Journal De Physique II, 1993, 3, 245-253. | 0.9 | 17 |
| 89 | On the remarkable spectrum of a non-Hermitian random matrix model. Journal of Physics A, 2003, 36, 3385-3400. | 1.6 | 16 |
| 90 | Steepest descent calculation of RNA pseudoknots. Physical Review E, 2005, 72, 011911. | 0.8 | 16 |

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|-----|---|-----|-----------|
| 91 | Manning condensation in two dimensions. <i>Physical Review E</i> , 2006, 73, 010501. | 0.8 | 16 |
| 92 | Block copolymer films with free interfaces: Ordering by nanopatterned substrates. <i>Physical Review E</i> , 2012, 86, 010801. | 0.8 | 16 |
| 93 | Coherent states formulation of polymer field theory. <i>Journal of Chemical Physics</i> , 2014, 140, 024905. | 1.2 | 16 |
| 94 | A maximum overlap neural network for pattern recognition. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 1987, 125, 32-34. | 0.9 | 15 |
| 95 | Propagation in random media: Calculation of the effective dispersive permittivity by use of the replica method. <i>Physical Review E</i> , 1995, 52, 1123-1127. | 0.8 | 15 |
| 96 | Directed polymers in a random medium: A variational approach. <i>Physical Review B</i> , 1997, 55, 226-230. | 1.1 | 15 |
| 97 | Protein Folding, Anisotropic Collapse and Blue Phases. <i>Journal De Physique, I</i> , 1997, 7, 1201-1210. | 1.2 | 15 |
| 98 | PROTEIN FOLDING AND HETEROPOLYMERS. Series on Directions in Condensed Matter Physics, 1997, , 387-443. | 0.1 | 15 |
| 99 | Functional integral methods for quantum spin systems. <i>Annals of Physics</i> , 1981, 132, 277-291. | 1.0 | 14 |
| 100 | RNA Base Pairing Determines the Conformations of RNA Inside Spherical Viruses. <i>Physical Review Letters</i> , 2017, 119, 188102. | 2.9 | 14 |
| 101 | Disorder Lines and Nonmonotonous Renormalization Group Flows: Application to the Two-Dimensional $\langle i \rangle XY \langle /i \rangle$ Model. <i>Europhysics Letters</i> , 1990, 11, 349-354. | 0.7 | 13 |
| 102 | Biasing a Monte Carlo chain growth method with Ramachandran's plot: Application to twenty-L-alanine. <i>Biopolymers</i> , 1993, 33, 1843-1849. | 1.2 | 13 |
| 103 | Some physical approaches to protein folding. <i>Journal De Physique, I</i> , 1993, 3, 259-275. | 1.2 | 13 |
| 104 | Self-Consistent Field Study of Polyelectrolyte Brushes. <i>Journal of the Physical Society of Japan</i> , 2007, 76, 104601. | 0.7 | 13 |
| 105 | Fluctuations in the ensemble of reaction pathways. <i>Journal of Chemical Physics</i> , 2011, 134, 164109. | 1.2 | 13 |
| 106 | Dominant folding pathways of a peptide chain from ab initio quantum-mechanical simulations. <i>Journal of Chemical Physics</i> , 2011, 134, 024501. | 1.2 | 13 |
| 107 | Modified Poisson-Boltzmann equations for characterizing biomolecular solvation. <i>Journal of Theoretical and Computational Chemistry</i> , 2014, 13, 1440001. | 1.8 | 13 |
| 108 | Ionic profiles close to dielectric discontinuities: Specific ion-surface interactions. <i>Journal of Chemical Physics</i> , 2016, 145, 134704. | 1.2 | 12 |

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|-----|--|-----|-----------|
| 109 | Statistical Physics Approach to the Optimal Transport Problem. <i>Physical Review Letters</i> , 2019, 123, 040603. | 2.9 | 11 |
| 110 | Adsorption of Polymers on a Fluctuating Surface. <i>Europhysics Letters</i> , 1995, 29, 303-308. | 0.7 | 10 |
| 111 | Topology of pseudoknotted homopolymers. <i>Physical Review E</i> , 2006, 73, 031902. | 0.8 | 10 |
| 112 | The elusive quest for RNA knots. <i>RNA Biology</i> , 2016, 13, 134-139. | 1.5 | 10 |
| 113 | Path integrals, boson expansions and the time dependent mean-field approximations. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1981, 100, 195-200. | 1.5 | 9 |
| 114 | The random fuse network as a dipolar magnet. <i>Europhysics Letters</i> , 2002, 57, 831-837. | 0.7 | 9 |
| 115 | Random heteropolymers in layered fluids. <i>Journal of Chemical Physics</i> , 1990, 93, 2043-2047. | 1.2 | 8 |
| 116 | Simulating stochastic dynamics using large time steps. <i>Physical Review E</i> , 2009, 80, 061112. | 0.8 | 8 |
| 117 | Secondary structure formation of homopolymeric single-stranded nucleic acids including force and loop entropy: Implications for DNA hybridization. <i>European Physical Journal E</i> , 2011, 34, 55. | 0.7 | 8 |
| 118 | Adapting Poisson-Boltzmann to the self-consistent mean field theory: Application to protein side-chain modeling. <i>Journal of Chemical Physics</i> , 2011, 135, 055104. | 1.2 | 8 |
| 119 | Optimal transport at finite temperature. <i>Physical Review E</i> , 2019, 100, 013310. | 0.8 | 8 |
| 120 | Generating stochastic trajectories with global dynamical constraints. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , 2021, 2021, 123204. | 0.9 | 8 |
| 121 | Dynamics of the critical wetting transition. <i>Physical Review B</i> , 1985, 31, 7434-7435. | 1.1 | 7 |
| 122 | Replica field theory for composite media. <i>Journal De Physique, I</i> , 1993, 3, 2171-2177. | 1.2 | 7 |
| 123 | Irrelevance of bulk symmetry to critical wetting. <i>Physical Review B</i> , 1986, 33, 95-98. | 1.1 | 6 |
| 124 | Thermodynamics of Ising models with layered randomness: Exact solutions on square and triangular lattices. <i>Physical Review B</i> , 1989, 40, 5094-5108. | 1.1 | 6 |
| 125 | A new Monte Carlo method to study protein structures. <i>Journal De Chimie Physique Et De Physico-Chimie Biologique</i> , 1991, 88, 2473-2478. | 0.2 | 6 |
| 126 | Comparison of a new Monte Carlo peptide conformational search procedure with high temperature molecular dynamics. <i>Journal De Chimie Physique Et De Physico-Chimie Biologique</i> , 1991, 88, 2479-2488. | 0.2 | 6 |

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|-----|---|-----|-----------|
| 127 | Tidal bore effect in heavy ion collisions. <i>Journal De Physique (Paris), Lettres</i> , 1976, 37, 327-331. | 2.8 | 5 |
| 128 | General formalism for phase combination and phase refinement: a statistical thermodynamics approach in reciprocal space. <i>Acta Crystallographica Section A: Foundations and Advances</i> , 2000, 56, 562-574. | 0.3 | 5 |
| 129 | Classification and predictions of RNA pseudoknots based on topological invariants. <i>Physical Review E</i> , 2016, 94, 042410. | 0.8 | 5 |
| 130 | Numerical Simulation of Finite-Temperature Field Theory for Interacting Bosons. <i>Physical Review Letters</i> , 2020, 124, 070601. | 2.9 | 5 |
| 131 | Erratum Path integrals and time-dependent mean-field theories. <i>Journal De Physique (Paris), Lettres</i> , 1980, 41, 401-401. | 2.8 | 5 |
| 132 | Flexible conducting polymers: An analytic approach. <i>Journal of Chemical Physics</i> , 1998, 108, 8725-8735. | 1.2 | 4 |
| 133 | Probing the binding affinity of amyloids to reduce toxicity of oligomers in diabetes. <i>Bioinformatics</i> , 2015, 31, 2294-2302. | 1.8 | 4 |
| 134 | Boson representations for systems of fermions. <i>Journal De Physique (Paris), Lettres</i> , 1980, 41, 523-525. | 2.8 | 4 |
| 135 | Hartree-Fock Theory with Hard Cores. <i>Physical Review Letters</i> , 1978, 41, 1016-1019. | 2.9 | 3 |
| 136 | Static and dynamic aspects of disorder lines. <i>Journal of Physics A</i> , 1991, 24, 1245-1252. | 1.6 | 3 |
| 137 | Hall Effect in Composite Media: A Replica Approach. <i>Europhysics Letters</i> , 1994, 27, 305-310. | 0.7 | 3 |
| 138 | A Variational Approach to Interfaces in Random Media. <i>Europhysics Letters</i> , 1994, 27, 317-322. | 0.7 | 3 |
| 139 | Beyond Poisson-Boltzmann: Numerical Sampling of Charge Density Fluctuations. <i>Journal of Physical Chemistry B</i> , 2016, 120, 6270-6277. | 1.2 | 3 |
| 140 | Efficient Sampling of Knotting-Unknotting Pathways for Semiflexible Gaussian Chains. <i>Polymers</i> , 2017, 9, 196. | 2.0 | 3 |
| 141 | Sampling constrained stochastic trajectories using Brownian bridges. <i>Journal of Chemical Physics</i> , 2022, 157, . | 1.2 | 3 |
| 142 | The role of the energy gap in protein folding dynamics. <i>Europhysics Letters</i> , 2000, 49, 169-175. | 0.7 | 2 |
| 143 | Bridge hopping on conducting polymers in solution. <i>Europhysics Letters</i> , 2001, 55, 59-65. | 0.7 | 2 |
| 144 | Real symmetric random matrices and replicas. <i>Physical Review E</i> , 2006, 74, 051120. | 0.8 | 2 |

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|-----|---|-----|-----------|
| 145 | Electric response of DNA hairpins to magnetic fields. <i>Journal of Applied Physics</i> , 2006, 99, 113711. | 1.1 | 2 |
| 146 | Prediction of RNA secondary structures with pseudoknots. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2010, 389, 2987-2992. | 1.2 | 2 |
| 147 | Numerical Encodings of Amino Acids in Multivariate Gaussian Modeling of Protein Multiple Sequence Alignments. <i>Molecules</i> , 2019, 24, 104. | 1.7 | 2 |
| 148 | Fast computation of exact solutions of generic and degenerate assignment problems. <i>Physical Review E</i> , 2021, 103, 042101. | 0.8 | 2 |
| 149 | Polymer expansion of the quantum many-body problem. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 1980, 76, 213-218. | 0.9 | 1 |
| 150 | Replica field theory for composite media. <i>Physica A: Statistical Mechanics and Its Applications</i> , 1994, 207, 106-109. | 1.2 | 1 |
| 151 | Gas of self-avoiding loops on the brickwork lattice. <i>Journal of Physics A</i> , 1998, 31, 1685-1694. | 1.6 | 1 |
| 152 | Checking for Optimal Solutions in Some NP-Complete Problems. <i>Physical Review Letters</i> , 2005, 95, 107202. | 2.9 | 1 |
| 153 | Are better conductors more rigid?. <i>Europhysics Letters</i> , 2006, 76, 325-331. | 0.7 | 1 |
| 154 | Accelerated Sampling of Boltzmann Distributions. <i>Journal of the Physical Society of Japan</i> , 2009, 78, 103002. | 0.7 | 1 |
| 155 | Simultaneous Identification of Multiple Binding Sites in Proteins: A Statistical Mechanics Approach. <i>Journal of Physical Chemistry B</i> , 2021, 125, 5052-5067. | 1.2 | 1 |
| 156 | Low-temperature properties of superconducting materials on sublattice structures. <i>Physical Review B</i> , 1989, 39, 4736-4739. | 1.1 | 0 |
| 157 | Stochastic dynamics and dominant protein folding pathways. <i>Philosophical Magazine</i> , 2008, 88, 4093-4099. | 0.7 | 0 |
| 158 | Solvation of Ion Pairs: The Poisson-Langevin Model. , 2009, , . | | 0 |
| 159 | Accelerated stochastic sampling of discrete statistical systems. <i>Physical Review E</i> , 2010, 82, 056704. | 0.8 | 0 |
| 160 | Multicanonical Monte Carlo ensemble growth algorithm. <i>Physical Review E</i> , 2020, 101, 021301. | 0.8 | 0 |
| 161 | Wetting of a disordered substrate. <i>Lecture Notes in Physics</i> , 1990, , 23-28. | 0.3 | 0 |
| 162 | Localization and Folding of Random Chains. , 1990, , 105-113. | | 0 |