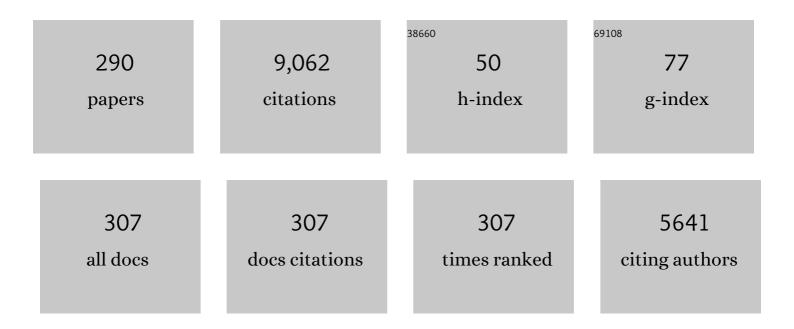
List of Publications by Year in descending order

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| # | Article | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | Computational Design of Miniproteins as SARS-CoV-2 Therapeutic Inhibitors. International Journal of Molecular Sciences, 2022, 23, 838. | 1.8 | 15 |
| 2 | Curvature effects in charge-regulated lipid bilayers. Soft Matter, 2022, 18, 2597-2610. | 1.2 | 8 |
| 3 | Delta Variant with P681R Critical Mutation Revealed by Ultra-Large Atomic-Scale Ab Initio Simulation: Implications for the Fundamentals of Biomolecular Interactions. Viruses, 2022, 14, 465. | 1.5 | 11 |
| 4 | Mutations of Omicron Variant at the Interface of the Receptor Domain Motif and Human Angiotensin-Converting Enzyme-2. International Journal of Molecular Sciences, 2022, 23, 2870. | 1.8 | 18 |
| 5 | Field theory of structured liquid dielectrics. Physical Review Research, 2022, 4, . | 1.3 | 6 |
| 6 | Binding Interactions between Receptor-Binding Domain of Spike Protein and Human Angiotensin Converting Enzyme-2 in Omicron Variant. Journal of Physical Chemistry Letters, 2022, 13, 3915-3921. | 2.1 | 49 |
| 7 | On the nature of screening in Voorn–Overbeek type theories. Journal of Chemical Physics, 2022, 156, . | 1.2 | 5 |
| 8 | Continuum theories of structured dielectrics. Europhysics Letters, 2022, 139, 27002. | 0.7 | 2 |
| 9 | Ultra-large-scale ab initio quantum chemical computation of bio-molecular systems: The case of spike protein of SARS-CoV-2 virus. Computational and Structural Biotechnology Journal, 2021, 19, 1288-1301. | 1.9 | 21 |
| 10 | Electrostatic interactions between the SARS-CoV-2 virus and a charged electret fibre. Soft Matter, 2021, 17, 4296-4303. | 1.2 | 33 |
| 11 | Theory of Inhomogeneous Rod-like Coulomb Fluids. Symmetry, 2021, 13, 274. | 1.1 | 3 |
| 12 | Contribution of dipolar bridging to phospholipid membrane interactions: A mean-field analysis. Journal of Chemical Physics, 2021, 154, 224902. | 1.2 | 3 |
| 13 | Phase Separation of Polyelectrolytes: The Effect of Charge Regulation. Journal of Physical Chemistry B, 2021, 125, 7863-7870. | 1.2 | 15 |
| 14 | Key Interacting Residues between RBD of SARS-CoV-2 and ACE2 Receptor: Combination of Molecular Dynamics Simulation and Density Functional Calculation. Journal of Chemical Information and Modeling, 2021, 61, 4425-4441. | 2.5 | 100 |
| 15 | Qualitative chirality effects on the Casimir-Lifshitz torque with liquid crystals. Physical Review Research, 2021, 3, . | 1.3 | 6 |
| 16 | Selective Adsorption of Confined Polymers: Self-Consistent Field Theory Studies. Macromolecules, 2021, 54, 9602-9608. | 2.2 | 4 |
| 17 | Solvent Effect on the Structure and Properties of RGD Peptide (1FUV) at Body Temperature (310 K) Using Ab Initio Molecular Dynamics. Polymers, 2021, 13, 3434. | 2.0 | 10 |
| 18 | First-Principles Simulation of Dielectric Function in Biomolecules. Materials, 2021, 14, 5774. | 1.3 | 15 |

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| 19 | RNA Secondary Structures Regulate Adsorption of Fragments onto Flat Substrates. ACS Omega, 2021, 6, 32823-32831. | 1.6 | 7 |
| 20 | Site Correlations, Capacitance, and Polarizability From Protein Protonation Fluctuations. Journal of Physical Chemistry B, 2021, 125, 12902-12908. | 1.2 | 4 |
| 21 | Tuning the Dielectric Response of Water in Nanoconfinement through Surface Wettability. ACS Nano, 2021, 15, 20311-20318. | 7.3 | 10 |
| 22 | Critical behavior of charge-regulated macro-ions. Journal of Chemical Physics, 2020, 153, 024901. | 1.2 | 15 |
| 23 | Intra- and intermolecular atomic-scale interactions in the receptor binding domain of SARS-CoV-2 spike protein: implication for ACE2 receptor binding. Physical Chemistry Chemical Physics, 2020, 22, 18272-18283. | 1.3 | 53 |
| 24 | Interactions between zwitterionic membranes in complex electrolytes. Physical Review E, 2020, 102, 012806. | 0.8 | 4 |
| 25 | Thermodynamic Dissection of the Intercalation Binding Process of Doxorubicin to dsDNA with Implications of Ionic and Solvent Effects. Journal of Physical Chemistry B, 2020, 124, 7803-7818. | 1.2 | 24 |
| 26 | Ordering of adsorbed rigid rods mediated by the Boussinesq interaction on a soft substrate. Journal of Chemical Physics, 2020, 153, 144905. | 1.2 | 5 |
| 27 | Irreversible and reversible morphological changes in the ϕ6 capsid and similar viral shells: symmetry and micromechanics. Soft Matter, 2020, 16, 9383-9392. | 1.2 | 2 |
| 28 | Thermal Casimir interactions for higher derivative field Lagrangians: generalized Brazovskii models. Journal of Physics A: Mathematical and Theoretical, 2020, 53, 355005. | 0.7 | 2 |
| 29 | On virus growth and form. Physics Reports, 2020, 847, 1-102. | 10.3 | 104 |
| 30 | Surface alignment disorder and thermal Casimir forces in smectic-A liquid crystalline films. Journal of Physics Condensed Matter, 2020, 32, 325103. | 0.7 | 0 |
| 31 | Charge symmetry broken complex coacervation. Physical Review Research, 2020, 2, . | 1.3 | 8 |
| 32 | Spontaneous Domain Formation in Spherically Confined Elastic Filaments. Physical Review Letters, 2019, 123, 047801. | 2.9 | 17 |
| 33 | Charge regulation radically modifies electrostatics in membrane stacks. Physical Review E, 2019, 100, 050601. | 0.8 | 14 |
| 34 | Hidden symmetry of the anomalous bluetongue virus capsid and its role in the infection process. Soft Matter, 2019, 15, 7663-7671. | 1.2 | 12 |
| 35 | Like-charge polymer-membrane complexation mediated by multivalent cations: One-loop-dressed strong coupling theory. Journal of Chemical Physics, 2019, 151, 094902. | 1.2 | 8 |
| 36 | Molecular mechanism and binding free energy of doxorubicin intercalation in DNA. Physical Chemistry Chemical Physics, 2019, 21, 3877-3893. | 1.3 | 70 |

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| 37 | Density–Nematic Coupling in Isotropic Linear Polymers: Acoustic and Osmotic Birefringence. Advanced Theory and Simulations, 2019, 2, 1900019. | 1.3 | 2 |
| 38 | Orientational transition and complexation of DNA with anionic membranes: Weak and intermediate electrostatic coupling. Physical Review E, 2019, 99, 062501. | 0.8 | 5 |
| 39 | Isotropic Polymers: Density–Nematic Coupling in Isotropic Linear Polymers: Acoustic and Osmotic Birefringence (Adv. Theory Simul. 5/2019). Advanced Theory and Simulations, 2019, 2, 1970016. | 1.3 | О |
| 40 | Role of metallic core for the stability of virus-like particles in strongly coupled electrostatics. Scientific Reports, 2019, 9, 3884. | 1.6 | 7 |
| 41 | pH-induced morphological changes of proteinaceous viral shells. Scientific Reports, 2019, 9, 5341. | 1.6 | 12 |
| 42 | Casimir-like interactions and surface anchoring duality in bookshelf geometry of smectic-A liquid crystals. Soft Matter, 2019, 15, 2216-2222. | 1.2 | 5 |
| 43 | Path integrals for higher derivative actions. Journal of Physics A: Mathematical and Theoretical, 2019, 52, 505003. | 0.7 | 3 |
| 44 | Charge regulation with fixed and mobile charged macromolecules. Current Opinion in Electrochemistry, 2019, 13, 70-77. | 2.5 | 55 |
| 45 | Compactness of viral genomes: effect of disperse and localized random mutations. Journal of Physics Condensed Matter, 2018, 30, 084006. | 0.7 | 7 |
| 46 | Spontaneous symmetry breaking of charge-regulated surfaces. Soft Matter, 2018, 14, 985-991. | 1.2 | 25 |
| 47 | Foreword. Journal of Biological Physics, 2018, 44, 117-117. | 0.7 | 0 |
| 48 | Open-Boundary Molecular Dynamics of a DNA Molecule in a Hybrid Explicit/Implicit Salt Solution. Biophysical Journal, 2018, 114, 2352-2362. | 0.2 | 22 |
| 49 | Varieties of charge distributions in coat proteins of ssRNA+  viruses. Journal of Physics Condensed Matter, 2018, 30, 024001. | 0.7 | 10 |
| 50 | Charged nanorods at heterogeneously charged surfaces. Journal of Chemical Physics, 2018, 149, 134702. | 1.2 | 5 |
| 51 | General theory of charge regulation and surface differential capacitance. Journal of Chemical Physics, 2018, 149, 104701. | 1.2 | 50 |
| 52 | Mean-field theory of active electrolytes: Dynamic adsorption and overscreening. Physical Review E, 2018, 97, 052609. | 0.8 | 8 |
| 53 | Charge regulating macro-ions in salt solutions: screening properties and electrostatic interactions. Soft Matter, 2018, 14, 6058-6069. | 1.2 | 30 |
| 54 | Splay–density coupling in semiflexible main-chain nematic polymers with hairpins. Soft Matter, 2018, 14, 5898-5905. | 1.2 | 8 |

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| 55 | Anomalous multipole expansion: Charge regulation of patchy inhomogeneously charged spherical particles. Journal of Chemical Physics, 2018, 149, 163307. | 1.2 | 17 |
| 56 | Molecular Dynamics Simulation of High Density DNA Arrays. Computation, 2018, 6, 3. | 1.0 | 12 |
| 57 | Sticking and stacking: Persistent ordering of fragmented DNA analogs. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 8652-8654. | 3.3 | 2 |
| 58 | Hydrodynamic stress correlations in fluid films driven by stochastic surface forcing. Physical Review Fluids, 2018, 3, . | 1.0 | 4 |
| 59 | Interactions between charged particles with bathing multivalent counterions: experiments vs. dressed ion theory. Physical Chemistry Chemical Physics, 2017, 19, 10069-10080. | 1.3 | 17 |
| 60 | Impact of Hydrogen Bonding in the Binding Site between Capsid Protein and MS2 Bacteriophage ssRNA. Journal of Physical Chemistry B, 2017, 121, 6321-6330. | 1.2 | 30 |
| 61 | The Hydration Effect and Selectivity of Alkali Metal Ions on Poly(ethylene glycol) Models in Cyclic and Linear Topology. Journal of Physical Chemistry A, 2017, 121, 4721-4731. | 1.1 | 32 |
| 62 | pH Dependence of Charge Multipole Moments in Proteins. Biophysical Journal, 2017, 113, 1454-1465. | 0.2 | 46 |
| 63 | Order and interactions in DNA arrays: Multiscale molecular dynamics simulation. Scientific Reports, 2017, 7, 4775. | 1.6 | 27 |
| 64 | Role of Bending Energy and Knot Chirality in Knot Distribution and Their Effective Interaction along Stretched Semiflexible Polymers. Polymers, 2016, 8, 347. | 2.0 | 13 |
| 65 | van der Waals torque and force between dielectrically anisotropic layered media. Journal of Chemical Physics, 2016, 145, 044707. | 1.2 | 13 |
| 66 | Modulation of Elasticity and Interactions in Charged Lipid Multibilayers: Monovalent Salt Solutions. Langmuir, 2016, 32, 13546-13555. | 1.6 | 17 |
| 67 | Titratable macroions in multivalent electrolyte solutions: Strong coupling dressed ion approach. Journal of Chemical Physics, 2016, 144, 214901. | 1.2 | 10 |
| 68 | Pseudo-Casimir stresses and elasticity of a confined elastomer film. Soft Matter, 2016, 12, 4384-4396. | 1.2 | 2 |
| 69 | DNA Equation of State: In Vitro vs In Viro. Journal of Physical Chemistry B, 2016, 120, 6051-6060. | 1.2 | 17 |
| 70 | From polymers to proteins: the effect of side chains and broken symmetry on the formation of secondary structures within a Wang–Landau approach. Soft Matter, 2016, 12, 4783-4793. | 1.2 | 24 |
| 71 | Effects of RNA branching on the electrostatic stabilization of viruses. Physical Review E, 2016, 94, 022408. | 0.8 | 36 |
| 72 | Size-dependent forced PEG partitioning into channels: VDAC, OmpC, and α-hemolysin. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 9003-9008. | 3.3 | 23 |

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| 73 | X-ray characterization of mesophases of human telomeric G-quadruplexes and other DNA analogues. Scientific Reports, 2016, 6, 27079. | 1.6 | 6 |
| 74 | Implication of the solvent effect, metal ions and topology in the electronic structure and hydrogen bonding of human telomeric G-quadruplex DNA. Physical Chemistry Chemical Physics, 2016, 18, 21573-21585. | 1.3 | 41 |
| 75 | Generalized conservation law for main-chain polymer nematics. Physical Review E, 2016, 93, 052703. | 0.8 | 2 |
| 76 | Nonequilibrium Tuning of the Thermal Casimir Effect. Physical Review Letters, 2016, 116, 240602. | 2.9 | 22 |
| 77 | Effects of long-range interactions on curvature energies of viral shells. Physical Review E, 2016, 93, 052415. | 0.8 | 10 |
| 78 | Effect of magnesium ions on the structure of DNA thin films: an infrared spectroscopy study. Nucleic Acids Research, 2016, 44, 8456-8464. | 6.5 | 38 |
| 79 | Static polarizability effects on counterion distributions near charged dielectric surfaces: A coarse-grained Molecular Dynamics study employing the Drude model. European Physical Journal: Special Topics, 2016, 225, 1693-1705. | 1.2 | 14 |
| 80 | Chirality modifies the interaction between knots. Europhysics Letters, 2016, 114, 50007. | 0.7 | 11 |
| 81 | Van der Waals interactions between polymers with sequence-specific polarizabilities: Stiff polymers and Gaussian coils. International Journal of Modern Physics A, 2016, 31, 1641035. | 0.5 | 2 |
| 82 | Hofmeister Effects on RAFT-Like Domains. Biophysical Journal, 2016, 110, 583a. | 0.2 | 0 |
| 83 | Phase diagram of a bulk 1d lattice Coulomb gas. Europhysics Letters, 2016, 113, 18008. | 0.7 | 9 |
| 84 | Charge-Induced Fluctuation Forces in Graphitic Nanostructures. Physical Review X, 2016, 6, . | 2.8 | 7 |
| 85 | General theory of asymmetric steric interactions in electrostatic double layers. Soft Matter, 2016, 12, 1219-1229. | 1.2 | 76 |
| 86 | Hydrodynamic fluctuation-induced forces in confined fluids. Soft Matter, 2016, 12, 441-459. | 1.2 | 7 |
| 87 | Packing and Phase Transitions in DNA Duplexes and Tetraplexes: Similarities and Differences. Biophysical Journal, 2015, 108, 396a. | 0.2 | 1 |
| 88 | Phase diagram of the ground states of DNA condensates. Physical Review E, 2015, 92, 060701. | 0.8 | 8 |
| 89 | Antipolar and Anticlinic Mesophase Order in Chromatin Induced by Nucleosome Polarity and Chirality Correlations. Physical Review Letters, 2015, 114, 238102. | 2.9 | 5 |
| 90 | Effective interactions between fluid membranes. Physical Review E, 2015, 92, 022112. | 0.8 | 14 |

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| 91 | Ion-mediated interactions between net-neutral slabs: Weak and strong disorder effects. Journal of Chemical Physics, 2015, 143, 234701. | 1.2 | 8 |
| 92 | Solvent effects in the helix-coil transition model can explain the unusual biophysics of intrinsically disordered proteins. Journal of Chemical Physics, 2015, 143, 014102. | 1.2 | 10 |
| 93 | Membrane Domain Interactions by Monte Carlo Type Analysis of Osmotic Stress Data. Biophysical Journal, 2015, 108, 86a. | 0.2 | 0 |
| 94 | Repulsive Casimir interaction: Boyer oscillators at nanoscale. Europhysics Letters, 2015, 112, 41001. | 0.7 | 3 |
| 95 | Electronic Structure and Partial Charge Distribution of Doxorubicin in Different Molecular Environments. ChemPhysChem, 2015, 16, 1451-1460. | 1.0 | 26 |
| 96 | Correlation functions of main-chain polymer nematics constrained by tensorial and vectorial conservation laws. Journal of Chemical Physics, 2015, 143, 114902. | 1.2 | 4 |
| 97 | Out-of-equilibrium thermal Casimir effect between Brownian conducting plates. Europhysics Letters, 2015, 112, 20001. | 0.7 | 12 |
| 98 | Degradation science: Mesoscopic evolution and temporal analytics of photovoltaic energy materials. Current Opinion in Solid State and Materials Science, 2015, 19, 212-226. | 5.6 | 51 |
| 99 | Synonymous Mutations Reduce Genome Compactness in Icosahedral ssRNA Viruses. Biophysical Journal, 2015, 108, 194-202. | 0.2 | 39 |
| 100 | Bending Rigidities and Interdomain Forces in Membranes with Coexisting Lipid Domains. Biophysical Journal, 2015, 108, 2833-2842. | 0.2 | 35 |
| 101 | Strong coupling electrostatics for randomly charged surfaces: antifragility and effective interactions. Soft Matter, 2015, 11, 3441-3459. | 1.2 | 9 |
| 102 | Molecular recognition by van der Waals interaction between polymers with sequence-specific polarizabilities. Journal of Chemical Physics, 2015, 142, 214904. | 1.2 | 19 |
| 103 | Quantitative nanoscale electrostatics of viruses. Nanoscale, 2015, 7, 17289-17298. | 2.8 | 45 |
| 104 | Charge regulation in ionic solutions: Thermal fluctuations and Kirkwood-Schumaker interactions. Physical Review E, 2015, 91, 022715. | 0.8 | 41 |
| 105 | Optical properties and electronic transitions of DNA oligonucleotides as a function of composition and stacking sequence. Physical Chemistry Chemical Physics, 2015, 17, 4589-4599. | 1.3 | 17 |
| 106 | Continuity of states between the cholesteric → line hexatic transition and the condensation transition in DNA solutions. Scientific Reports, 2015, 4, 6877. | 1.6 | 38 |
| 107 | Photonics and plasmonics go viral: self-assembly of hierarchical metamaterials. Rendiconti Lincei, 2015, 26, 129-141. | 1.0 | 12 |
| 108 | van der Waals Interactions on the Mesoscale: Open-Science Implementation, Anisotropy, Retardation, and Solvent Effects. Langmuir, 2015, 31, 10145-10153. | 1.6 | 17 |

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| 109 | Disentangling the Effects of Shape and Dielectric Response in van der Waals Interactions between Anisotropic Bodies. Journal of Physical Chemistry C, 2015, 119, 19083-19094. | 1.5 | 41 |
| 110 | Hofmeister Effects in Monoclonal Antibody Solution Interactions. Journal of Physical Chemistry B, 2015, 119, 10375-10389. | 1.2 | 19 |
| 111 | Adaptive Resolution Simulation of a DNA Molecule in Salt Solution. Journal of Chemical Theory and Computation, 2015, 11, 5035-5044. | 2.3 | 46 |
| 112 | Determination of the second virial coefficient of bovine serum albumin under varying pH and ionic strength by composition-gradient multi-angle static light scattering. Journal of Biological Physics, 2015, 41, 85-97. | 0.7 | 32 |
| 113 | Dependence of the strength of van der Waals interactions on the details of the dielectric response variation. Materials Research Society Symposia Proceedings, 2014, 1648, 1. | 0.1 | Ο |
| 114 | From toroidal to rod-like condensates of semiflexible polymers. Journal of Chemical Physics, 2014, 140, 064902. | 1.2 | 27 |
| 115 | Relaxation of the thermal Casimir force between net neutral plates containing Brownian charges. Physical Review E, 2014, 89, 032117. | 0.8 | 17 |
| 116 | Asymmetric Coulomb fluids at randomly charged dielectric interfaces: Anti-fragility, overcharging and charge inversion. Journal of Chemical Physics, 2014, 141, 174704. | 1.2 | 29 |
| 117 | RNA topology remolds electrostatic stabilization of viruses. Physical Review E, 2014, 89, 032707. | 0.8 | 50 |
| 118 | Pseudo-Casimir interactions across nematic films with disordered anchoring axis. Journal of Physics Condensed Matter, 2014, 26, 075103. | 0.7 | 10 |
| 119 | Continuity of States in Cholesteric - Line Hexatic Transition in Univalent and Polyvalent Salt DNA Solutions. Materials Research Society Symposia Proceedings, 2014, 1619, 1. | 0.1 | 2 |
| 120 | Optical Properties and van der Waals-London Dispersion Interactions in Inorganic and Biomolecular Assemblies. Materials Research Society Symposia Proceedings, 2014, 1619, 1. | 0.1 | 0 |
| 121 | Dielectric response variation and the strength of van der Waals interactions. Journal of Colloid and Interface Science, 2014, 417, 278-284. | 5.0 | 9 |
| 122 | Fluctuation-induced interactions in nematics with disordered anchoring energy. Journal of Physics Condensed Matter, 2014, 26, 505101. | 0.7 | 2 |
| 123 | The Role of Solution Conditions in the Bacteriophage PP7 Capsid Charge Regulation. Biophysical Journal, 2014, 107, 1970-1979. | 0.2 | 79 |
| 124 | Field-theoretic description of charge regulation interaction. European Physical Journal E, 2014, 37, 5. | 0.7 | 32 |
| 125 | Unified description of solvent effects in the helix-coil transition. Physical Review E, 2014, 89, 022723. | 0.8 | 17 |
| 126 | Editorial: Prof. Wokyung Sung and pathways in biological physics. Journal of Biological Physics, 2014, 40, 311-312. | 0.7 | 0 |

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| 127 | Electronic Structure, Dielectric Response and Surface Charge Distribution of RGD (1FUV) Peptide. Scientific Reports, 2014, 4, 5605. | 1.6 | 33 |
| 128 | Coulomb Interactions between Disordered Charge Distributions. , 2014, , 367-380. | | 0 |
| 129 | Special issue on physical virology. Journal of Biological Physics, 2013, 39, 161-162. | 0.7 | 0 |
| 130 | Testing Theories of DNA Interaction and Condensation. Biophysical Journal, 2013, 104, 261a. | 0.2 | 0 |
| 131 | Tensorial conservation law for nematic polymers. Physical Review E, 2013, 88, 052603. | 0.8 | 10 |
| 132 | Helix-coil transition in terms of Potts-like spins. European Physical Journal E, 2013, 36, 46. | 0.7 | 6 |
| 133 | Statistical analysis of sizes and shapes of virus capsids and their resulting elastic properties. Journal of Biological Physics, 2013, 39, 215-228. | 0.7 | 35 |
| 134 | Polymers Pushing Polymers: Polymer Mixtures in Thermodynamic Equilibrium with a Pore. Biophysical Journal, 2013, 104, 527a. | 0.2 | 0 |
| 135 | Chirality-dependent properties of carbon nanotubes: electronic structure, optical dispersion properties, Hamaker coefficients and van der Waals–London dispersion interactions. RSC Advances, 2013, 3, 823-842. | 1.7 | 36 |
| 136 | Electrostatic stability and encapsidation of charged nano-droplets. Soft Matter, 2013, 9, 11357. | 1.2 | 6 |
| 137 | Symmetry effects in electrostatic interactions between two arbitrarily charged spherical shells in the Debye-Hückel approximation. Journal of Chemical Physics, 2013, 138, 074902. | 1.2 | 34 |
| 138 | Perspective: Coulomb fluids—Weak coupling, strong coupling, in between and beyond. Journal of Chemical Physics, 2013, 139, 150901. | 1.2 | 145 |
| 139 | Multivalent ion effects on electrostatic stability of virus-like nano-shells. Journal of Chemical Physics, 2013, 139, 154709. | 1.2 | 21 |
| 140 | Interaction of a point charge with the surface of a uniaxial dielectric. Europhysics Letters, 2013, 102, 24001. | 0.7 | 3 |
| 141 | Fluctuation of thermal van der Waals forces due to dipole fluctuations. Physical Review A, 2013, 87, . | 1.0 | 8 |
| 142 | Overscreening in a 1D lattice Coulomb gas model of ionic liquids. Europhysics Letters, 2012, 97, 28004. | 0.7 | 22 |
| 143 | The one-dimensional Coulomb lattice fluid capacitor. Journal of Chemical Physics, 2012, 137, 064901. | 1.2 | 24 |
| 144 | Attraction between neutral dielectrics mediated by multivalent ions in an asymmetric ionic fluid. Journal of Chemical Physics, 2012, 137, 174704. | 1.2 | 29 |

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| 145 | Electrostatic interactions mediated by polarizable counterions: Weak and strong coupling limits. Journal of Chemical Physics, 2012, 137, 174903. | 1.2 | 26 |
| 146 | Electromagnetic fluctuation-induced interactions in randomly charged slabs. Journal of Chemical Physics, 2012, 137, 114704. | 1.2 | 12 |
| 147 | Wrapping transition and wrapping-mediated interactions for discrete binding along an elastic filament: An exact solution. Journal of Chemical Physics, 2012, 137, 144904. | 1.2 | 7 |
| 148 | How simple can a model of an empty viral capsid be? Charge distributions in viral capsids. Journal of Biological Physics, 2012, 38, 657-671. | 0.7 | 53 |
| 149 | Energies and pressures in viruses: contribution of nonspecific electrostatic interactions. Physical Chemistry Chemical Physics, 2012, 14, 3746-3765. | 1.3 | 120 |
| 150 | Polymers Pushing Polymers: Polymer Mixtures in Thermodynamic Equilibrium with a Pore. Macromolecules, 2012, 45, 8921-8928. | 2.2 | 10 |
| 151 | Colloidal interactions between monoclonal antibodies in aqueous solutions. Journal of Colloid and Interface Science, 2012, 384, 207-216. | 5.0 | 61 |
| 152 | Out-of-equilibrium relaxation of the thermal Casimir effect in a model polarizable material. Physical Review E, 2012, 85, 031108. | 0.8 | 13 |
| 153 | Osmotic Pressure Induced Coupling between Cooperativity and Stability of a Helix-Coil Transition. Physical Review Letters, 2012, 109, 068101. | 2.9 | 23 |
| 154 | Ordering of anisotropic polarizable polymer chains on the full many-body level. Journal of Chemical Physics, 2012, 136, 154905. | 1.2 | 15 |
| 155 | Confined chiral polymer nematics: Ordering and spontaneous condensation. Europhysics Letters, 2012, 100, 66005. | 0.7 | 9 |
| 156 | Dynamics and structure of biopolyelectrolytes in repulsion regime characterized by dielectric spectroscopy. Physica B: Condensed Matter, 2012, 407, 1958-1963. | 1.3 | 7 |
| 157 | Sample-to-sample torque fluctuations in a system of coaxial randomly charged surfaces. European Physical Journal E, 2012, 35, 1-7. | 0.7 | 15 |
| 158 | Euler strut: a mechanical analogy for dynamics in the vicinity of a critical point. European Journal of Physics, 2011, 32, 1007-1018. | 0.3 | 9 |
| 159 | Protein-DNA Interactions Determine the Shapes of DNA Toroids Condensed in Virus Capsids. Biophysical Journal, 2011, 100, 2209-2216. | 0.2 | 47 |
| 160 | Dielectric decrement as a source of ion-specific effects. Journal of Chemical Physics, 2011, 134, 074705. | 1.2 | 111 |
| 161 | Ion-specific hydration effects: Extending the Poisson-Boltzmann theory. Current Opinion in Colloid and Interface Science, 2011, 16, 542-550. | 3.4 | 133 |
| 162 | Sample-to-sample fluctuations of electrostatic forces generated by quenched charge disorder. Physical Review E, 2011, 83, 011102. | 0.8 | 15 |

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| 163 | Electrostatic self-energy of a partially formed spherical shell in salt solution: Application to stability of tethered and fluid shells as models for viruses and vesicles. Physical Review E, 2011, 83, 041916. | 0.8 | 7 |
| 164 | Dressed counterions: Polyvalent and monovalent ions at charged dielectric interfaces. Physical Review E, 2011, 84, 011502. | 0.8 | 41 |
| 165 | Many-body effects in the van der Waals–Casimir interaction between graphene layers. Physical Review B, 2011, 84, . | 1.1 | 82 |
| 166 | Viscous compressible hydrodynamics at planes, spheres and cylinders with finite surface slip. European Physical Journal E, 2010, 32, 147-164. | 0.7 | 21 |
| 167 | Optically anisotropic infinite cylinder above an optically anisotropic half space: Dispersion interaction of a single-walled carbon nanotube with a substrate. Journal of Vacuum Science and Technology B:Nanotechnology and Microelectronics, 2010, 28, C4A17-C4A24. | 0.6 | 8 |
| 168 | Thermodynamics of nanospheres encapsulated in virus capsids. Physical Review E, 2010, 81, 051919. | 0.8 | 39 |
| 169 | Effects of dielectric disorder on van der Waals interactions in slab geometries. Physical Review E, 2010, 81, 051117. | 0.8 | 20 |
| 170 | Exotic Electrostatics: Unusual Features of Electrostatic Interactions between Macroions. Series in Sof Condensed Matter, 2010, , 265-295. | 0.1 | 12 |
| 171 | Counterion-mediated weak and strong coupling electrostatic interaction between like-charged cylindrical dielectrics. Journal of Chemical Physics, 2010, 132, 224703. | 1.2 | 38 |
| 172 | Nonmonotoic fluctuation-induced interactions between dielectric slabs carrying charge disorder. Journal of Chemical Physics, 2010, 133, 174702. | 1.2 | 26 |
| 173 | Polyelectrolyte-mediated bridging interactions: columnar macromolecular phases. Journal of Physics Condensed Matter, 2010, 22, 414102. | 0.7 | 10 |
| 174 | Molecules Pushing Molecules: Dynamic Consequences of Crowding. Biophysical Journal, 2010, 98, 274a. | 0.2 | 0 |
| 175 | Long range interactions in nanoscale science. Reviews of Modern Physics, 2010, 82, 1887-1944. | 16.4 | 359 |
| 176 | Fluctuation-Induced Interaction between Randomly Charged Dielectrics. Physical Review Letters, 2010, 104, 060601. | 2.9 | 48 |
| 177 | Confined nematic polymers: Order and packing in a nematic drop. Physical Review E, 2010, 82, 011708. | 0.8 | 19 |
| 178 | Structure and dynamics of hyaluronic acid semidilute solutions: A dielectric spectroscopy study. Physical Review E, 2010, 82, 011922. | 0.8 | 20 |
| 179 | Dressed counterions: Strong electrostatic coupling in the presence of salt. Journal of Chemical Physics, 2010, 132, 124701. | 1.2 | 50 |
| 180 | Stability of elastic icosadeltahedral shells under uniform external pressure: Application to viruses under osmotic pressure. Physical Review E, 2009, 79, 011919. | 0.8 | 32 |

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| 181 | Thermal Casimir effect between random layered dielectrics. Physical Review A, 2009, 79, . | 1.0 | 17 |
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