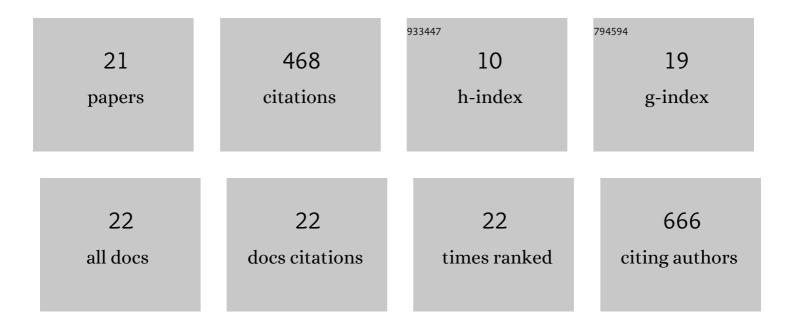
## Ivan Popov

## List of Publications by Year in descending order

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| #  | Article  | IF  | CITATIONS |
|----|--|-----|-----------|
| 1  | The mechanism of the dielectric relaxation in water. Physical Chemistry Chemical Physics, 2016, 18, 13941-13953.   | 2.8 | 129       |
| 2  | The puzzling first-order phase transition in water–glycerol mixtures. Physical Chemistry Chemical Physics, 2015, 17, 18063-18071.  | 2.8 | 47        |
| 3  | Strong Reduction in Amplitude of the Interfacial Segmental Dynamics in Polymer Nanocomposites.<br>Macromolecules, 2020, 53, 4126-4135.   | 4.8 | 46        |
| 4  | The dynamic crossover in dielectric relaxation behavior of ice Ih. Physical Chemistry Chemical Physics, 2015, 17, 1489-1497.   | 2.8 | 43        |
| 5  | Critical Role of Anion–Solvent Interactions for Dynamics of Solvent-in-Salt Solutions. Journal of<br>Physical Chemistry C, 2020, 124, 8457-8466.   | 3.1 | 32        |
| 6  | The low-temperature dynamic crossover in the dielectric relaxation of ice I <sub>h</sub> . Physical Chemistry Chemical Physics, 2017, 19, 28610-28620.                                     | 2.8 | 25        |
| 7  | Strongly Correlated Ion Dynamics in Plastic Ionic Crystals and Polymerized Ionic Liquids. Journal of<br>Physical Chemistry C, 2020, 124, 17889-17896.                                      | 3.1 | 22        |
| 8  | Justification of the empirical laws of the anomalous dielectric relaxation in the framework of the memory function formalism. Fractional Calculus and Applied Analysis, 2014, 17, 247-258. | 2.2 | 21        |
| 9  | Water in the hydrated protein powders: Dynamic and structure. Journal of Chemical Physics, 2019, 150, 204504.  | 3.0 | 20        |
| 10 | Dielectric Relaxation of Hydration Water in Native Collagen Fibrils. Journal of Physical Chemistry B, 2017, 121, 5340-5346.  | 2.6 | 16        |
| 11 | Layer-by-Layer Assembly Strategy for Reinforcing the Mechanical Strength of an Ionogel Electrolyte without Affecting Ionic Conductivity. ACS Applied Energy Materials, 2020, 3, 1265-1270. | 5.1 | 12        |
| 12 | Improving Gas Selectivity in Membranes Using Polymer-Grafted Silica Nanoparticles. ACS Applied Nano<br>Materials, 2021, 4, 5895-5903.  | 5.0 | 10        |
| 13 | Structural correlations tailor conductive properties in polymerized ionic liquids. Physical Chemistry<br>Chemical Physics, 2019, 21, 14775-14785.  | 2.8 | 9         |
| 14 | A Study of Moisture Sorption and Dielectric Processes of Starch and Sodium Starch Glycolate.<br>Pharmaceutical Research, 2017, 34, 2675-2688.  | 3.5 | 7         |
| 15 | Addition of Chloroform in a Solvent-in-Salt Electrolyte: Outcomes in the Microscopic Dynamics in<br>Bulk and Confinement. Journal of Physical Chemistry C, 2020, 124, 22366-22375.         | 3.1 | 7         |
| 16 | Beyond Simple Dilution: Superior Conductivities from Cosolvation of Acetonitrile/LiTFSI<br>Concentrated Solution with Acetone. Journal of Physical Chemistry C, 2022, 126, 2788-2796.      | 3.1 | 6         |
| 17 | Controlling the Ion Transport Number in Solvent-in-Salt Solutions. Journal of Physical Chemistry B, 2022, 126, 4572-4583.  | 2.6 | 5         |
| 18 | Confined water dynamics in a hydrated photosynthetic pigment–protein complex. Physical Chemistry<br>Chemical Physics, 2017, 19, 28063-28070.   | 2.8 | 4         |

| #  | Article   | IF  | CITATIONS |
|----|---|-----|-----------|
| 19 | Tuning the Properties of Nanocomposites by Trapping Them in Deep Metastable States. ACS Applied<br>Polymer Materials, 2022, 4, 3174-3182.                                     | 4.4 | 3         |
| 20 | Reply to the "Comment on †̃Critical Role of Anion†"Solvent Interactions for Dynamics of<br>Solvent-in-Salt Solutions'― Journal of Physical Chemistry C, 2021, 125, 9585-9586. | 3.1 | 0         |
| 21 | Fundamentals of Dielectric Spectroscopy in Polymer Nanocomposites. Advances in Dielectrics, 2022, ,<br>35-61.   | 1.2 | 0         |