# Marian Paluch

## List of Publications by Year in Descending Order



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| 509 papers | 12,406 citations | 53 h-index | 82 g-index |
| 522 ext. papers | 13,464 ext. citations | 4.2 avg, IF | 6.62 L-index |

| # | Paper | IF | Citations |
|---|---|---|---|
| 509 | Variation in the local ordering, H-bonding pattern and molecular dynamics in the pressure densified ritonavir. *Journal of Molecular Liquids*, **2022**, 351, 118666 | 6 | |
| 508 | Inhibition of celecoxib crystallization by mesoporous silica - molecular dynamics studies leading to the discovery of the stabilization origin.. *European Journal of Pharmaceutical Sciences*, **2022**, 106132 | 5.1 | 1 |
| 507 | Sugar decorated star-shaped (co)polymers with resveratrol-based core – physicochemical and biological properties. *Journal of Materials Science*, **2022**, 57, 2257 | 4.3 | 0 |
| 506 | Pressure-induced liquid-liquid transition in a family of ionic materials.. *Nature Communications*, **2022**, 13, 1342 | 17.4 | 1 |
| 505 | Insight from high-pressure dielectric studies into molecular dynamics of the itraconazole-glycerol mixture in smectic and isotropic phases.. *Journal of Chemical Physics*, **2022**, 156, 154501 | 3.9 | 1 |
| 504 | Aromaticity effect on supramolecular aggregation. Aromatic vs. cyclic monohydroxy alcohols.. *Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy*, **2022**, 276, 121235 | 4.4 | 1 |
| 503 | How Does Long-Term Storage Influence the Physical Stability and Dissolution of Bicalutamide from Solid Dispersions and Minitablets?. *Processes*, **2022**, 10, 1002 | 2.9 | |
| 502 | Comparative analysis of dielectric, shear mechanical and light scattering response functions in polar supercooled liquids. *Scientific Reports*, **2021**, 11, 22142 | 4.9 | 2 |
| 501 | Complex Reorientation Dynamics of Sizable Glass-Formers with Polar Rotors Revealed by Dielectric Spectroscopy. *Journal of Physical Chemistry Letters*, **2021**, 12, 11303-11307 | 6.4 | 1 |
| 500 | Studies on the Vitrified and Cryomilled Bosentan. *Molecular Pharmaceutics*, **2021**, | 5.6 | 1 |
| 499 | High pressure as a novel tool for the cationic ROP of δ-butyrolactone.. *RSC Advances*, **2021**, 11, 34806-34819 | 3.7 | 0 |
| 498 | Pressure Dependence of the Crystallization Rate for the S-Enantiomer and a Racemic Mixture of Ibuprofen. *Crystal Growth and Design*, **2021**, 21, 7075-7086 | 3.5 | 1 |
| 497 | Effect of structure on molecular dynamics in glass-forming liquids. The case of aromaticity. *Journal of Molecular Liquids*, **2021**, 344, 117757 | 6 | |
| 496 | Impact of the Chain Length and Topology of the Acetylated Oligosaccharide on the Crystallization Tendency of Naproxen from Amorphous Binary Mixtures. *Molecular Pharmaceutics*, **2021**, 18, 347-358 | 5.6 | 0 |
| 495 | Stable and reversible pressure-controlled dielectric switching in dicyanide hybrid perovskite. *Applied Materials Today*, **2021**, 22, 100957 | 6.6 | 3 |
| 494 | Magnitude of Dynamically Correlated Molecules as an Indicator for a Dynamical Crossover in Ionic Liquids. *Journal of Physical Chemistry B*, **2021**, 125, 4141-4147 | 3.4 | 1 |
| 493 | How to Obtain the Maximum Properties Flexibility of 3D Printed Ketoprofen Tablets Using Only One Drug-Loaded Filament?. *Molecules*, **2021**, 26, | 4.8 | 2 |

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| 492 | Ion and Proton Transport In Aqueous/Nonaqueous Acidic Ionic Liquids for Fuel-Cell Applications-Insight from High-Pressure Dielectric Studies. *ACS Applied Materials & Interfaces*, **2021**, 13, 30614-30624 | 9.5 | 2 |
| 491 | Synthetic strategy matters: The study of a different kind of PVP as micellar vehicles of metronidazole. *Journal of Molecular Liquids*, **2021**, 332, 115789 | 6 | 3 |
| 490 | Fractional Walden rule for aprotic ionic liquids: Experimental verification over a wide range of temperatures and pressures. *Journal of Molecular Liquids*, **2021**, 331, 115772 | 6 | 3 |
| 489 | Current research trends in dielectric relaxation studies of amorphous pharmaceuticals: Physical stability, tautomerism, and the role of hydrogen bonding. *TrAC - Trends in Analytical Chemistry*, **2021**, 134, 116097 | 14.6 | 6 |
| 488 | Studies on ion dynamics of polymerized ionic liquids through the free volume theory. *Polymer*, **2021** , 212, 123286 | 3.9 | 1 |
| 487 | Toward the Undiscovered Dielectric Properties of Hybrid Acetamidinium Manganese Formate under High Pressure. *Journal of Physical Chemistry C*, **2021**, 125, 908-914 | 3.8 | 4 |
| 486 | High pressure aging studies on the low-molecular weight glass-forming pharmaceutical Probucol. *Journal of Molecular Liquids*, **2021**, 321, 114626 | 6 | 3 |
| 485 | Correlation between configurational entropy, excess entropy, and ion dynamics in imidazolium-based ionic liquids: Test of the Adam-Gibbs model. *Journal of Chemical Physics*, **2021**, 154, 044502 | 3.9 | 3 |
| 484 | On the temperature and pressure dependence of dielectric relaxation processes in ionic liquids. *Physical Chemistry Chemical Physics*, **2021**, 23, 14260-14275 | 3.6 | 4 |
| 483 | From ambient- to high-pressure dielectric response of perovskite formamidinium manganese formate. *Journal of Materials Chemistry C*, **2021**, 9, 5740-5748 | 7.1 | |
| 482 | Local structure and molecular dynamics of highly polar propylene carbonate derivative infiltrated within alumina and silica porous templates. *Journal of Chemical Physics*, **2021**, 154, 064701 | 3.9 | 2 |
| 481 | Anormal Thermal History Effect on the Structural Dynamics of Probucol Infiltrated into Porous Alumina. *Journal of Physical Chemistry C*, **2021**, 125, 3901-3912 | 3.8 | 3 |
| 480 | Is a Dissociation Process Underlying the Molecular Origin of the Debye Process in Monohydroxy Alcohols?. *Journal of Physical Chemistry B*, **2021**, 125, 2960-2967 | 3.4 | 2 |
| 479 | High-Pressure Dielectric Studies-a Way to Experimentally Determine the Solubility of a Drug in the Polymer Matrix at Low Temperatures. *Molecular Pharmaceutics*, **2021**, 18, 3050-3062 | 5.6 | 2 |
| 478 | Systematic studies on the dynamics, intermolecular interactions and local structure in the alkyl and phenyl substituted butanol isomers. *Journal of Molecular Liquids*, **2021**, 346, 117098 | 6 | 2 |
| 477 | Anomalous narrowing of the shape of the structural process in derivatives of trehalose at high pressure. The role of the internal structure. *Journal of Molecular Liquids*, **2021**, 336, 116321 | 6 | 2 |
| 476 | The dielectric response of phenothiazine-based glass-formers with different molecular complexity. *Scientific Reports*, **2021**, 11, 15816 | 4.9 | 0 |
| 475 | Ternary Eutectic Ezetimibe-Simvastatin-Fenofibrate System and the Physical Stability of Its Amorphous Form. *Molecular Pharmaceutics*, **2021**, 18, 3588-3600 | 5.6 | 5 |

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| 474 | How does pressure affect the molecular dynamics, intramolecular interactions, and the relationship between structural (α) and secondary (JG-β) relaxation above and below the glass transition temperature in binary mixtures of H-bonded API - probucol and acetylated saccharides?. *European Journal of Pharmaceutical Sciences*, **2021**, 164, 105894 | 5.1 | |
| 473 | Broadband-dielectric-spectroscopy study of molecular dynamics in a mixture of itraconazole and glycerol in glassy, smectic-A, and isotropic phases. *Physical Review E*, **2021**, 104, 034702 | 2.4 | 1 |
| 472 | The effect of high-pressure on organocatalyzed ROP of δ-butyrolactone. *Polymer*, **2021**, 233, 124166 | 3.9 | 1 |
| 471 | The impact of the length of alkyl chain on the behavior of benzyl alcohol homologues - the interplay between dispersive and hydrogen bond interactions. *Physical Chemistry Chemical Physics*, **2021**, 23, 23796-23807 | 3.6 | 3 |
| 470 | Hard confinement systems as effective nanoreactors for in situ photo-RAFT: towards control over molecular weight distribution and morphology. *Polymer Chemistry*, **2021**, 12, 1105-1113 | 4.9 | 3 |
| 469 | How Does the Addition of KollidonVA64 Inhibit the Recrystallization and Improve Ezetimibe Dissolution from Amorphous Solid Dispersions?. *Pharmaceutics*, **2021**, 13, | 6.4 | 4 |
| 468 | Two-Step Aging of Highly Polar Glass. *Journal of Physical Chemistry Letters*, **2021**, 11779-11783 | 6.4 | 2 |
| 467 | Multivariate Design of 3D Printed Immediate-Release Tablets with Liquid Crystal-Forming Drug-Itraconazole. *Materials*, **2020**, 13, | 3.5 | 7 |
| 466 | Influence of the Internal Structure and Intermolecular Interactions on the Correlation between Structural (α) and Secondary (JG) Relaxation below the Glass Transition Temperature in Neat Probucol and Its Binary Mixtures with Modified Saccharides. *Journal of Physical Chemistry B*, **2020**, 124, 4821-4834 | 3.4 | 4 |
| 465 | Compression-Induced Phase Transitions of Bicalutamide. *Pharmaceutics*, **2020**, 12, | 6.4 | 8 |
| 464 | Clarifying the nature of the Johari-Goldstein β-relaxation and emphasising its fundamental importance. *Philosophical Magazine*, **2020**, 100, 2596-2613 | 1.6 | 12 |
| 463 | Pressure-assisted solvent- and catalyst-free production of well-defined poly(1-vinyl-2-pyrrolidone) for biomedical applications.. *RSC Advances*, **2020**, 10, 21593-21601 | 3.7 | 2 |
| 462 | Unique Behavior of Poly(propylene glycols) Confined within Alumina Templates Having a Nanostructured Interface. *Nano Letters*, **2020**, 20, 5714-5719 | 11.5 | 5 |
| 461 | Fast secondary dynamics for enhanced charge transport in polymerized ionic liquids. *Physical Review E*, **2020**, 101, 032606 | 2.4 | 3 |
| 460 | The relation between molecular dynamics and configurational entropy in room temperature ionic liquids: Test of Adam-Gibbs model. *Journal of Chemical Physics*, **2020**, 152, 091101 | 3.9 | 4 |
| 459 | The structural α-relaxation times of prilocaine confined in 1 nm pores of molecular sieves: quantitative explanation by the coupling model. *Physical Chemistry Chemical Physics*, **2020**, 22, 9257-9261 | 3.6 | 1 |
| 458 | Revealing Fast Proton Transport in Condensed Matter by Means of Density Scaling Concept. *Journal of Physical Chemistry C*, **2020**, 124, 15749-15756 | 3.8 | 1 |
| 457 | Density Scaling Based Detection of Thermodynamic Regions of Complex Intermolecular Interactions Characterizing Supramolecular Structures. *Scientific Reports*, **2020**, 10, 9316 | 4.9 | 3 |

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| 456 | Molecular Dynamics and Physical Stability of Ibuprofen in Binary Mixtures with an Acetylated Derivative of Maltose. *Molecular Pharmaceutics*, **2020**, 17, 3087-3105 | 5.6 | 2 |
| 455 | Structure-property relationships of tailored imidazolium- and pyrrolidinium-based poly(ionic liquid)s. Solid-like vs. gel-like systems. *Polymer*, **2020**, 192, 122262 | 3.9 | 11 |
| 454 | Dielectric Study on the Well-Resolved Sub-Rouse and JG Relaxations of Poly(methylphenylsiloxane) at Ambient and Elevated Pressures. *Macromolecules*, **2020**, 53, 1706-1715 | 5.5 | 6 |
| 453 | Rheo-dielectric studies of the kinetics of shear-induced nematic alignment changes in itraconazole. *Journal of Molecular Liquids*, **2020**, 302, 112494 | 6 | 4 |
| 452 | Influence of Annealing in the Close Vicinity of on the Reorganization within Dimers and Its Impact on the Crystallization Kinetics of Gemfibrozil. *Molecular Pharmaceutics*, **2020**, 17, 990-1000 | 5.6 | |
| 451 | The role of the dipole moment orientations in the crystallization tendency of the van der Waals liquids - molecular dynamics simulations. *Scientific Reports*, **2020**, 10, 283 | 4.9 | 6 |
| 450 | New paradigm of dielectric relaxation of sizable and rigid molecular glass formers. *Physical Review E*, **2020**, 101, 010603 | 2.4 | 6 |
| 449 | High pressure dielectric study of N-ethylacetamide. *Applied Physics Letters*, **2020**, 116, 163701 | 3.4 | |
| 448 | High-pressure experiments as a novel perspective to study the molecular dynamics of glass-forming materials confined at the nanoscale. *Nanoscale*, **2020**, 12, 10600-10608 | 7.7 | 4 |
| 447 | Importance of Mesoporous Silica Particle Size in the Stabilization of Amorphous Pharmaceuticals-The Case of Simvastatin. *Pharmaceutics*, **2020**, 12, | 6.4 | 7 |
| 446 | Exploring the connection between the density-scaling exponent and the intermolecular potential for liquids on the basis of computer simulations of quasireal model systems. *Physical Review E*, **2020**, 101, 012613 | 2.4 | 6 |
| 445 | The impact of various azole antifungals on the liquid crystalline ordering in itraconazole. *Journal of Molecular Liquids*, **2020**, 307, 112959 | 6 | 7 |
| 444 | Virial-potential-energy correlation and its relation to density scaling for quasireal model systems. *Physical Review E*, **2020**, 102, 062140 | 2.4 | 4 |
| 443 | Enhancement of the Physical Stability of Amorphous Sildenafil in a Binary Mixture, with either a Plasticizing or Antiplasticizing Compound. *Pharmaceutics*, **2020**, 12, | 6.4 | 4 |
| 442 | Are hydrogen supramolecular structures being suppressed upon nanoscale confinement? The case of monohydroxy alcohols. *Journal of Colloid and Interface Science*, **2020**, 576, 217-229 | 9.3 | 8 |
| 441 | Dynamics of Pyrrolidinium-Based Ionic Liquids under Confinement. II. The Effects of Pore Size, Inner Surface, and Cationic Alkyl Chain Length. *Journal of Physical Chemistry C*, **2020**, 124, 5395-5408 | 3.8 | 10 |
| 440 | Explanation of the difference in temperature and pressure dependences of the Debye relaxation and the structural relaxation near Tg of monohydroxy alcohols. *Chemical Physics*, **2020**, 530, 110617 | 2.3 | 6 |
| 439 | Relationship between Nanoscale Supramolecular Structure, Effectiveness of Hydrogen Bonds, and Appearance of Debye Process. *Journal of Physical Chemistry C*, **2020**, 124, 2672-2679 | 3.8 | 9 |

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| 438 | Speed it up, slow it down An issue of bicalutamide release from 3D printed tablets. *European Journal of Pharmaceutical Sciences*, **2020**, 143, 105169 | 5.1 | 24 |
| 437 | Breakdown of the isochronal structural (β and secondary (JG ) exact superpositioning in probucol - A low molecular weight pharmaceutical. *Journal of Molecular Liquids*, **2020**, 299, 112169 | 6 | 9 |
| 436 | Interplay between structural static and dynamical parameters as a key factor to understand peculiar behaviour of associated liquids. *Journal of Molecular Liquids*, **2020**, 319, 114084 | 6 | 13 |
| 435 | Impact of Imidazolium-Based Ionic Liquids on the Curing Kinetics and Physicochemical Properties of Nascent Epoxy Resins. *Macromolecules*, **2020**, 53, 6341-6352 | 5.5 | 8 |
| 434 | Theoretical and Experimental Study of Compression Effects on Structural Relaxation of Glass-Forming Liquids. *ACS Omega*, **2020**, 5, 11035-11042 | 3.9 | 5 |
| 433 | Structurally Related Scaling Behavior in Ionic Systems. *Journal of Physical Chemistry B*, **2020**, 124, 1240-1244 | 3.4 | 12 |
| 432 | Impact of Confinement on the Dynamics and H-Bonding Pattern in Low-Molecular Weight Poly(propylene glycols). *Journal of Physical Chemistry C*, **2020**, 124, 17607-17621 | 3.8 | 5 |
| 431 | Universal scaling behavior of entropy and conductivity in ionic liquids. *Journal of Molecular Liquids*, **2020**, 316, 113824 | 6 | 3 |
| 430 | Green Synthesis of Lidocaine Ionic Liquids and Salts: Mechanisms of Formation and Interactions in the Crystalline and Supercooled States. *ACS Sustainable Chemistry and Engineering*, **2020**, 8, 18266-18276 | 8.3 | 5 |
| 429 | The impact of chemical structure on the formation of the medium-range order and dynamical properties of selected antifungal APIs. *Physical Chemistry Chemical Physics*, **2020**, 22, 28202-28212 | 3.6 | 4 |
| 428 | Correlation between Locally Ordered (Hydrogen-Bonded) Nanodomains and Puzzling Dynamics of Polymethysiloxane Derivative. *Macromolecules*, **2020**, 53, 10225-10233 | 5.5 | 1 |
| 427 | The behavior of conductivity dynamic modulus and its connection to thermodynamic bulk modulus in ionic liquids. *Physical Chemistry Chemical Physics*, **2020**, 22, 19342-19348 | 3.6 | 1 |
| 426 | Tabletting solid dispersions of bicalutamide prepared using ball-milling or supercritical carbon dioxide: the interrelationship between phase transition and dissolution. *Pharmaceutical Development and Technology*, **2020**, 25, 1109-1117 | 3.4 | 1 |
| 425 | Density, viscosity, and high-pressure conductivity studies of tricyanomethanide-based ionic liquids. *Journal of Molecular Liquids*, **2020**, 317, 113971 | 6 | 9 |
| 424 | Isochronal Conditions-The Key To Maintain the Given Solubility Limit, of a Small Molecule within the Polymer Matrix, at Elevated Pressure. *Molecular Pharmaceutics*, **2020**, 17, 3730-3739 | 5.6 | 2 |
| 423 | Relaxing under pressure with a rigid niccolite formate framework. *Journal of Materials Chemistry C*, **2020**, 8, 16736-16741 | 7.1 | 5 |
| 422 | Thorough studies of tricyanomethanide-based ionic liquids - the influence of alkyl chain length of the cation. *Soft Matter*, **2020**, 16, 9479-9487 | 3.6 | 1 |
| 421 | Coupling between structural relaxation and diffusion in glass-forming liquids under pressure variation. *Physical Chemistry Chemical Physics*, **2020**, 22, 24365-24371 | 3.6 | 3 |

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| 420 | Influence of High Pressure on the Local Order and Dynamical Properties of the Selected Azole Antifungals. *Journal of Physical Chemistry B*, **2020**, 124, 11949-11961 | 3.4 | 3 |
| 419 | The influence of the nanocurvature on the surface interactions and molecular dynamics of model liquid confined in cylindrical pores. *Journal of Molecular Liquids*, **2020**, 298, 111973 | 6 | 7 |
| 418 | Molecular dynamics, viscoelastic properties and physical stability studies of a new amorphous dihydropyridine derivative with T-type calcium channel blocking activity. *European Journal of Pharmaceutical Sciences*, **2020**, 141, 105083 | 5.1 | 6 |
| 417 | Does the molecular mobility and flexibility of the saccharide ring affect the glass-forming ability of naproxen in binary mixtures?. *European Journal of Pharmaceutical Sciences*, **2020**, 141, 105091 | 5.1 | 5 |
| 416 | Molecular relaxations in supercooled liquid and glassy states of amorphous gambogic acid: Dielectric spectroscopy, calorimetry, and theoretical approach. *AIP Advances*, **2020**, 10, 025128 | 1.5 | 9 |
| 415 | Data-Driven Modeling of the Bicalutamide Dissolution from Powder Systems. *AAPS PharmSciTech*, **2020**, 21, 111 | 3.9 | 1 |
| 414 | Pressure-assisted strategy for the synthesis of vinyl pyrrolidone-based macro-star photoiniferters. A route to star block copolymers. *Journal of Polymer Science*, **2020**, 58, 1393-1399 | 2.4 | 2 |
| 413 | Comparative study of effect of alkyl chain length on thermophysical characteristics of five N-alkylpyridinium bis(trifluoromethylsulfonyl)imides with selected imidazolium-based ionic liquids. *Journal of Molecular Liquids*, **2019**, 278, 401-412 | 6 | 9 |
| 412 | Experimental Evidence for a State-Point-Independent Density-Scaling Exponent in Ionic Liquids. *Physical Review Letters*, **2019**, 123, 125702 | 7.4 | 9 |
| 411 | Broadband dielectric spectroscopy as an experimental alternative to calorimetric determination of the solubility of drugs into polymer matrix: Case of flutamide and various polymeric matrixes. *European Journal of Pharmaceutics and Biopharmaceutics*, **2019**, 136, 231-239 | 5.7 | 16 |
| 410 | Peculiar relaxation dynamics of propylene carbonate derivatives. *Journal of Chemical Physics*, **2019**, 150, 044504 | 3.9 | 9 |
| 409 | The Impact of Liquid Crystalline Phase Ordering on the Thermodynamic Scaling of Itraconazole. *Journal of Physical Chemistry C*, **2019**, 123, 4558-4566 | 3.8 | 6 |
| 408 | Glassy dynamics predicted by mutual role of free and activation volumes. *Soft Matter*, **2019**, 15, 4656-4661 | 3.6 | 7 |
| 407 | How can we improve the physical stability of co-amorphous system containing flutamide and bicalutamide? The case of ternary amorphous solid dispersions. *European Journal of Pharmaceutical Sciences*, **2019**, 136, 104947 | 5.1 | 12 |
| 406 | Study of Increasing Pressure and Nanopore Confinement Effect on the Segmental, Chain, and Secondary Dynamics of Poly(methylphenylsiloxane). *Macromolecules*, **2019**, 52, 3763-3774 | 5.5 | 11 |
| 405 | The application of spatially restricted geometries as a unique route to produce well-defined poly(vinyl pyrrolidones) via free radical polymerisation. *Chemical Communications*, **2019**, 55, 6441-6444 | 5.8 | 7 |
| 404 | Varying thermodynamic conditions as a new way to tune the molecular order in glassy itraconazole. *Journal of Molecular Liquids*, **2019**, 286, 110920 | 6 | 2 |
| 403 | Theoretical Model for the Structural Relaxation Time in Coamorphous Drugs. *Molecular Pharmaceutics*, **2019**, 16, 2992-2998 | 5.6 | 16 |

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| 402 | Studying structural and local dynamics in model H-bonded active ingredient - Curcumin in the supercooled and glassy states at various thermodynamic conditions. *European Journal of Pharmaceutical Sciences*, **2019**, 135, 38-50 | 5.1 | 7 |
| 401 | Discharge of the Nanopore Confinement Effect on the Glass Transition Dynamics via Viscous Flow. *Physical Review Letters*, **2019**, 122, 176101 | 7.4 | 20 |
| 400 | Effect of Cation n-Alkyl Side-Chain Length, Temperature, and Pressure on the Glass-Transition Dynamics and Crystallization Tendency of the [CnC1Pyrr]+[Tf2N]□Ionic Liquid Family. *Journal of Physical Chemistry C*, **2019**, | 3.8 | 11 |
| 399 | The Impact of Molecular Weight on the Behavior of Poly(propylene glycol) Derivatives Confined within Alumina Templates. *Macromolecules*, **2019**, 52, 3516-3529 | 5.5 | 17 |
| 398 | Direct insight into the kinetics of the high-pressure step-growth polymerization of DGEBA/aniline model system. *Polymer*, **2019**, 172, 322-329 | 3.9 | 2 |
| 397 | Physical Stability and Viscoelastic Properties of Co-Amorphous Ezetimibe/Simvastatin System. *Pharmaceuticals*, **2019**, 12, | 5.2 | 10 |
| 396 | The Self-Assembly Phenomenon of Poloxamers and Its Effect on the Dissolution of a Poorly Soluble Drug from Solid Dispersions Obtained by Solvent Methods. *Pharmaceutics*, **2019**, 11, | 6.4 | 12 |
| 395 | Connecting 1D and 2D Confined Polymer Dynamics to Its Bulk Behavior via Density Scaling. *ACS Macro Letters*, **2019**, 8, 304-309 | 6.6 | 23 |
| 394 | Influence of Polymeric Additive on the Physical Stability and Viscoelastic Properties of Aripiprazole. *Molecular Pharmaceutics*, **2019**, 16, 1742-1750 | 5.6 | 13 |
| 393 | Effect of electrostatic interactions on the relaxation dynamics of pharmaceutical eutectics. *European Journal of Pharmaceutical Sciences*, **2019**, 134, 93-101 | 5.1 | 2 |
| 392 | How to align a nematic glassy phase □Different conditions □Different results. *Journal of Molecular Liquids*, **2019**, 280, 314-318 | 6 | 6 |
| 391 | Dramatic slowing down of the conformational equilibrium in the silyl derivative of glucose in the vicinity of the glass transition temperature. *Soft Matter*, **2019**, 15, 7429-7437 | 3.6 | 1 |
| 390 | Evidence of a Fundamental Mechanism Governing Conductivity Relaxation in Room-Temperature Ionic Liquid. *Journal of Physical Chemistry C*, **2019**, 123, 22089-22094 | 3.8 | 7 |
| 389 | How does the high pressure affects the solubility of the drug within the polymer matrix in solid dispersion systems. *European Journal of Pharmaceutics and Biopharmaceutics*, **2019**, 143, 8-17 | 5.7 | 9 |
| 388 | High-Pressure Studies on the Chain and Segmental Dynamics of a Series of Poly(propylene glycol) Derivatives. *Macromolecules*, **2019**, 52, 5658-5669 | 5.5 | 4 |
| 387 | Glass Transition Dynamics and Physical Stability of Amorphous Griseofulvin in Binary Mixtures with Low- Excipients. *Molecular Pharmaceutics*, **2019**, 16, 3626-3635 | 5.6 | 9 |
| 386 | Studying tautomerism in an important pharmaceutical glibenclamide confined in the thin nanometric layers. *Colloids and Surfaces B: Biointerfaces*, **2019**, 182, 110319 | 6 | 3 |
| 385 | Access to Thermodynamic and Viscoelastic Properties of Poly(ionic liquid)s Using High-Pressure Conductivity Measurements. *ACS Macro Letters*, **2019**, 8, 996-1001 | 6.6 | 5 |

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| 384 | Studies on the internal medium-range ordering and high pressure dynamics in modified ibuprofens. *Physical Chemistry Chemical Physics*, **2019**, 22, 295-305 | 3.6 | 8 |
| 383 | Efficient metal-free strategies for polymerization of a sterically hindered ionic monomer through the application of hard confinement and high pressure.. *RSC Advances*, **2019**, 9, 6396-6408 | 3.7 | 8 |
| 382 | Nature of intramolecular dynamics in protic ionic glass-former: insight from ambient and high pressure Brillouin spectroscopy. *Journal of Molecular Liquids*, **2019**, 282, 51-56 | 6 | 1 |
| 381 | Impact of the Interfacial Energy and Density Fluctuations on the Shift of the Glass-Transition Temperature of Liquids Confined in Pores. *Journal of Physical Chemistry C*, **2019**, 123, 5549-5556 | 3.8 | 17 |
| 380 | Studying the catalytic activity of DBU and TBD upon water-initiated ROP of ε-caprolactone under different thermodynamic conditions. *Polymer Chemistry*, **2019**, 10, 6047-6061 | 4.9 | 10 |
| 379 | Effects of cooling rate on structural relaxation in amorphous drugs: elastically collective nonlinear langevin equation theory and machine learning study.. *RSC Advances*, **2019**, 9, 40214-40221 | 3.7 | 11 |
| 378 | Studies on the molecular dynamics of acetylated oligosaccharides of different topologies (linear versus cyclic). *Carbohydrate Polymers*, **2019**, 206, 273-280 | 10.3 | 4 |
| 377 | Studying the Crystal Growth of Selected Active Pharmaceutical Ingredients from Single- and Two-Component Systems above and below the Glass Transition Temperature. *Crystal Growth and Design*, **2019**, 19, 1031-1040 | 3.5 | 2 |
| 376 | The effect of molecular architecture on the physical properties of supercooled liquids studied by MD simulations: Density scaling and its relation to the equation of state. *Journal of Chemical Physics* , **2019**, 150, 014501 | 3.9 | 8 |
| 375 | Density Scaling in Ionic Glass Formers Controlled by Grotthuss Conduction. *Journal of Physical Chemistry B*, **2019**, 123, 1156-1160 | 3.4 | 6 |
| 374 | High pressure RAFT of sterically hindered ionic monomers. Studying relationship between rigidity of the polymer backbone and conductivity. *Polymer*, **2018**, 140, 158-166 | 3.9 | 9 |
| 373 | High-pressure cell for simultaneous dielectric and neutron spectroscopy. *Review of Scientific Instruments*, **2018**, 89, 023904 | 1.7 | 9 |
| 372 | Cooling-Rate versus Compression-Rate Dependence of the Crystallization in the Glass-Forming Liquid, Propylene Carbonate. *Crystal Growth and Design*, **2018**, 18, 2538-2544 | 3.5 | 4 |
| 371 | Enhanced dissolution of solid dispersions containing bicalutamide subjected to mechanical stress. *International Journal of Pharmaceutics*, **2018**, 542, 18-26 | 6.5 | 13 |
| 370 | Anhydrosaccharides-A new class of the fragile plastic crystals. *Journal of Chemical Physics*, **2018**, 148, 074501 | 3.9 | 6 |
| 369 | Emergence of a substrate-temperature-dependent dielectric process in a prototypical vapor deposited hole-transport glass. *Scientific Reports*, **2018**, 8, 1380 | 4.9 | 2 |
| 368 | Secondary relaxation in ultrastable etoricoxib: evidence of correlation with structural relaxation. *Physical Chemistry Chemical Physics*, **2018**, 20, 3939-3945 | 3.6 | 17 |
| 367 | Confinement-Induced Changes in the Glassy Dynamics and Crystallization Behavior of Supercooled Fenofibrate. *Journal of Physical Chemistry C*, **2018**, 122, 1384-1395 | 3.8 | 19 |

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| 366 | Breakdown of the Simple Arrhenius Law in the Normal Liquid State. *Journal of Physical Chemistry Letters*, **2018**, 9, 1783-1787 | 6.4 | 7 |
| 365 | Can Storage Time Improve the Physical Stability of Amorphous Pharmaceuticals with Tautomerization Ability Exposed to Compression? The Case of a Chloramphenicol Drug. *Molecular Pharmaceutics*, **2018**, 15, 1928-1940 | 5.6 | 13 |
| 364 | Studies on dynamics and isomerism in supercooled photochromic compound Aberchrome 670 with the use of different experimental techniques. *Physical Chemistry Chemical Physics*, **2018**, 20, 18009-18019 | 3.6 | 2 |
| 363 | Relations of pressure and temperature dependences of the Johari-Goldstein relaxation to the relaxation: Amorphous polymers **2018**, | | 2 |
| 362 | Universality of Density Scaling. *Advances in Dielectrics*, **2018**, 77-119 | 0.6 | 10 |
| 361 | Co-Stabilization of Amorphous Pharmaceuticals-The Case of Nifedipine and Nimodipine. *Molecular Pharmaceutics*, **2018**, 15, 2455-2465 | 5.6 | 31 |
| 360 | On the origin of ferroelectric structural phases in perovskite-like metal organic formate. *Journal of Materials Chemistry C*, **2018**, 6, 9420-9429 | 7.1 | 28 |
| 359 | Changes in Physical Stability of Supercooled Etoricoxib after Compression. *Molecular Pharmaceutics* , **2018**, 15, 3969-3978 | 5.6 | 15 |
| 358 | Verifying the Approximate Coinvariance of the and Johari Goldstein Relaxation Times to Variations of Pressure and Temperature in Polyisoprene. *Macromolecules*, **2018**, 51, 4435-4443 | 5.5 | 14 |
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