# Piotr Owczarz

## List of Publications by Year in descending order



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|---|---|---|---|
| 21 papers | 186 citations | 1040056 9 h-index | 1125743 13 g-index |
| 21 all docs | 21 docs citations | 21 times ranked | 193 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | The structural (FTIR, XRD, and XPS) and biological studies of thermosensitive chitosan chloride gels with Î²â€glycerophosphate disodium. Journal of Applied Polymer Science, 2018, 135, 46459. | 2.6 | 27 |
| 2 | Rheo-Kinetic Study of Sol-Gel Phase Transition of Chitosan Colloidal Systems. Polymers, 2018, 10, 47. | 4.5 | 19 |
| 3 | On-line measurements of the rheological properties of fermentation broth. Rheologica Acta, 1990, 29, 588-593. | 2.4 | 17 |
| 4 | The effects of sucrose on the sol-gel phase transition and viscoelastic properties of potato starch solutions. Food Chemistry, 2019, 271, 94-101. | 8.2 | 17 |
| 5 | Injectability of Thermosensitive, Low-Concentrated Chitosan Colloids as Flow Phenomenon through the Capillary under High Shear Rate Conditions. Polymers, 2020, 12, 2260. | 4.5 | 15 |
| 6 | Inulinolytic activity of broths of Aspergillus niger ATCC 204447 cultivated in shake flasks and stirred tank bioreactor. Engineering in Life Sciences, 2017, 17, 1006-1020. | 3.6 | 13 |
| 7 | Thermosensitive chitosan gels containing calcium glycerophosphate for bone cell culture. Journal of Bioactive and Compatible Polymers, 2017, 32, 209-222. | 2.1 | 12 |
| 8 | The Application of Small-Angle Light Scattering for Rheo-Optical Characterization of Chitosan Colloidal Solutions. Polymers, 2018, 10, 431. | 4.5 | 10 |
| 9 | THE INFLUENCE OF THE ADDITION OF COLLAGEN ON THE RHEOLOGICAL PROPERTIES OF CHITOSAN CHLORIDE SOLUTIONS. Progress on Chemistry and Application of Chitin and Its Derivatives, 2017, XXII, 176-189. | 0.1 | 10 |
| 10 | The effect of seasoning a membrane-forming solution on the separation properties of chitosan membranes. Journal of Membrane Science, 2001, 181, 229-239. | 8.2 | 9 |
| 11 | Structure of chitosan thermosensitive gels containing graphene oxide. Journal of Molecular Structure, 2018, 1161, 530-535. | 3.6 | 8 |
| 12 | Injectable Chitosan Scaffolds with Calcium Î²-Glycerophosphate as the Only Neutralizing Agent. Processes, 2019, 7, 297. | 2.8 | 8 |
| 13 | Influence of Injection Application on the Solâ€“Gel Phase Transition Conditions of Polysaccharide-Based Hydrogels. International Journal of Molecular Sciences, 2021, 22, 13208. | 4.1 | 5 |
| 14 | A Comparative Study of Solutions of Silk Fibroin in 1-Butyl-3-methylimidazolium Chloride and Acetate. Russian Journal of Applied Chemistry, 2018, 91, 647-652. | 0.5 | 4 |
| 15 | Thermoinduced aggegation of chitosan systems in perikinetic and orthokinetic regimes. Carbohydrate Polymers, 2021, 255, 117377. | 10.2 | 3 |
| 16 | Influence of Glycerophosphate Salt Solubility on the Gelation Mechanism of Colloidal Chitosan Systems. International Journal of Molecular Sciences, 2021, 22, 4043. | 4.1 | 3 |
| 17 | APPLICATION OF TEXTURE PROFILE ANALYSIS TO INVESTIGATE THE MECHANICAL PROPERTIES OF THERMOSENSITIVE INJECTABLE CHITOSAN HYDROGELS. Progress on Chemistry and Application of Chitin and Its Derivatives, 2019, XXIV, 151-163. | 0.1 | 3 |
| 18 | Structural analysis of gluten-free doughs by fractional rheological model. Korea Australia Rheology Journal, 2015, 27, 33-40. | 1.7 | 2 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Influence of fish collagen on viscoelastic properties and sol-gel phase transition of chitosan solutions. Acta Innovations, 2018, , 14-23. | 1.0 | 1 |
| 20 | Optical microrheology measurements for determination of sol-gel transitions of chitosan hydrogels. Journal of Physics: Conference Series, 2015, 602, 012040. | 0.4 | 0 |
| 21 | RHEOLOGICAL ASPECTS OF THE FLOW OF THERMOSENSITIVE CHITOSAN SYSTEMS DURING INJECTION APPLICATION. Progress on Chemistry and Application of Chitin and Its Derivatives, 2020, XXV, 201-209. | 0.1 | 0 |