Magdalena Gierszewska

List of Publications by Citations

27 papers	654 citations	13 h-index	25 g-index
28 ext. papers	838 ext. citations	4.6 avg, IF	4.7 L-index

#	Paper	IF	Citations
27	Effect of ionic crosslinking on the water state in hydrogel chitosan membranes. *Carbohydrate Polymers*, **2009**, 77, 590-598	10.3	156
26	pH-responsive chitosan/alginate polyelectrolyte complex membranes reinforced by tripolyphosphate. *European Polymer Journal*, **2018**, 101, 282-290	5.2	67
25	Designing novel macroporous composite hydrogels based on methacrylic acid copolymers and chitosan and in vitro assessment of lysozyme controlled delivery. *Colloids and Surfaces B: Biointerfaces*, **2016**, 139, 33-41	6	61
24	Chitosan-based membranes with different ionic crosslinking density for pharmaceutical and industrial applications. *Carbohydrate Polymers*, **2016**, 153, 501-511	10.3	59
23	pH-responsive hydrogel membranes based on modified chitosan: water transport and kinetics of swelling. *Journal of Polymer Research*, **2015**, 22, 1	2.7	46
22	Application of osmotic membrane distillation for reconcentration of sugar solutions from osmotic dehydration. *Separation and Purification Technology*, **2007**, 57, 425-429	8.3	37
21	Physicochemical and storage properties of chitosan-based films plasticized with deep eutectic solvent. *Food Hydrocolloids*, **2020**, 108, 106007	10.6	35
20	Antibacterial Films Based on PVA and PVA-Chitosan Modified with Poly(Hexamethylene Guanidine). *Polymers*, **2019**, 11,	4.5	31
19	Water state in chemically and physically crosslinked chitosan membranes. *Journal of Applied Polymer Science*, **2013**, 130, 1707-1715	2.9	30
18	Effect of chemical crosslinking on properties of chitosan-montmorillonite composites. *Polymer Testing*, **2019**, 77, 105872	4.5	24
17	The role of a deep eutectic solvent in changes of physicochemical and antioxidative properties of chitosan-based films. *Carbohydrate Polymers*, **2021**, 255, 117527	10.3	19
16	Development and Characterization of Polyamide-Supported Chitosan Nanocomposite Membranes for Hydrophilic Pervaporation. *Polymers*, **2018**, 10,	4.5	19
15	The Influence of the Morphology and Mechanical Properties of Polymer Inclusion Membranes (PIMs) on Zinc Ion Separation from Aqueous Solutions. *Polymers*, **2018**, 10,	4.5	14
14	EQUILIBRIUM SWELLING STUDY OF CROSSLINKED CHITOSAN MEMBRANES IN WATER, BUFFER AND SALT SOLUTIONS. *Progress on Chemistry and Application of Chitin and Its Derivatives*, **2016**, 21, 55-62	0.7	11
13	Influence of Tea Tree Essential Oil and Poly(ethylene glycol) on Antibacterial and Physicochemical Properties of Polylactide-Based Films. *Materials*, **2020**, 13,	3.5	7
12	Application of pervaporation and osmotic membrane distillation to the regeneration of spent solutions from the osmotic food dehydration. *Polish Journal of Chemical Technology*, **2009**, 11, 41-45	1	7
11	Antibacterial Films Based on Polylactide with the Addition of Quercetin and Poly(Ethylene Glycol). *Materials*, **2021**, 14,	3.5	6

List of Publications

10	Stability of polylactide as potential packaging material in solutions of selected surfactants used in cosmetic formulae. *Polymer Testing*, **2019**, 74, 225-234	4.5	4
9	Examining the Impact of Squaric Acid as a Crosslinking Agent on the Properties of Chitosan-Based Films. *International Journal of Molecular Sciences*, **2021**, 22,	6.3	4
8	Polycistronic Expression System for Composed of Chitino- and Chitosanolytic Enzymes. *Frontiers in Bioengineering and Biotechnology*, **2021**, 9, 710922	5.8	4
7	STRUCTURAL AND SWELLING PROPERTIES OF HYDROGEL MEMBRANES BASED ON CHITOSAN CROSSLINKED WITH GLUTARALDEHYDE AND SODIUM TRIPOLYPHOSPHATE. *Progress on Chemistry and Application of Chitin and Its Derivatives*, **2015**, XX, 43-53	0.7	3
6	Effect of Diatomaceous Biosilica and Talc on the Properties of Dielectric Elastomer Based Composites. *Energies*, **2020**, 13, 5828	3.1	3
5	Polylactide Films with the Addition of Olive Leaf Extract-Physico-Chemical Characterization.. *Materials*, **2021**, 14,	3.5	2
4	Synthesis and properties of hydrogel membranes based on chitosan and sodium alginate. *Polimery*, **2007**, 52, 517-523	3.4	2
3	CHARACTERISTICS OF ASCORBIC ACID RELEASE FROM TPP-CROSSLINKED CHITOSAN/ALGINATE POLYELECTROLYTE COMPLEX MEMBRANES. *Progress on Chemistry and Application of Chitin and Its Derivatives*, **2018**, XXIII, 76-87	0.7	2
2	Comparison of How Graphite and Shungite Affect Thermal, Mechanical, and Dielectric Properties of Dielectric Elastomer-Based Composites. *Energies*, **2022**, 15, 152	3.1	1
1	Chitin and Chitosan1-16		