

Farouk Ayadi

List of Publications by Year in descending order

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Version: 2024-02-01

17
papers

298
citations

933447

10
h-index

888059

17
g-index

17
all docs

17
docs citations

17
times ranked

602
citing authors

#	ARTICLE	IF	CITATIONS
1	Transparent and flexible amorphous cellulose-acrylic hybrids. <i>Chemical Engineering Journal</i> , 2016, 287, 196-204.	12.7	62
2	Biomimetic Approach for Liquid Encapsulation with Nanofibrillar Cloaks. <i>Langmuir</i> , 2014, 30, 2896-2902.	3.5	32
3	Synthesis of water dispersed nanoparticles from different polysaccharides and their application in drug release. <i>Carbohydrate Polymers</i> , 2016, 136, 282-291.	10.2	27
4	Stoichiometric interpretation of thermoplastic starch water sorption and relation to mechanical behavior. <i>Carbohydrate Polymers</i> , 2011, 84, 872-880.	10.2	26
5	Controlled antiseptic/eosin release from chitosan-based hydrogel modified fibrous substrates. <i>Carbohydrate Polymers</i> , 2015, 131, 306-314.	10.2	20
6	Porous Poly(vinyl alcohol)-Based Hydrogel for Knee Meniscus Functional Repair. <i>ACS Biomaterials Science and Engineering</i> , 2018, 4, 1518-1527.	5.2	16
7	Mechanical reinforcement and water repellency induced to cellulose sheets by a polymer treatment. <i>Cellulose</i> , 2013, 20, 1501-1509.	4.9	15
8	Non-equivalence of Hydrogen Transfer from Glucose to the pro-R and pro-S Methylene Positions of Ethanol during Fermentation by <i>Leuconostoc mesenteroides</i> Quantified by 2H NMR at Natural Abundance. <i>Journal of Biological Chemistry</i> , 2008, 283, 9704-9712.	3.4	13
9	Surprising High Hydrophobicity of Polymer Networks from Hydrophilic Components. <i>ACS Applied Materials & Interfaces</i> , 2013, 5, 5717-5726.	8.0	12
10	Biodegradation of corn flour-based materials assessed by enzymatic, aerobic, and anaerobic tests: Influence of specific surface area. <i>Polymer Testing</i> , 2011, 30, 131-139.	4.8	11
11	Effect of shear stress extrusion intensity on plasticized corn flour structure: Proteins role and distribution. <i>Journal of Applied Polymer Science</i> , 2012, 123, 2177-2186.	2.6	11
12	Synthesis of bis(pyrrolidone-4-carboxylic acid)-based polyamides derived from renewable itaconic acid application as a compatibilizer in biopolymer blends. <i>Polymer Journal</i> , 2013, 45, 766-774.	2.7	11
13	Tailoring the morphology of poly(ethylene oxide)/silver triflate blends: from crystalline to self-assembled nanofibrillar structures. <i>Nanotechnology</i> , 2013, 24, 055602.	2.6	10
14	Mechanically flexible and optically transparent three-dimensional nanofibrous amorphous aerocellulose. <i>Carbohydrate Polymers</i> , 2016, 149, 217-223.	10.2	10
15	Fluorescence Study of Lipid-based DNA Carriers Properties: Influence of Cationic Lipid Chemical Structure. <i>Journal of Fluorescence</i> , 2008, 18, 835-841.	2.5	8
16	Probing stereoselectivity and pro-chirality of hydride transfer during short-chain alcohol dehydrogenase activity: A combined quantitative 2H NMR and computational approach. <i>Archives of Biochemistry and Biophysics</i> , 2009, 482, 42-51.	3.0	7
17	Materials based on maize biopolymers: Effect of flour components on mechanical and thermal behavior. <i>Starch/Staerke</i> , 2011, 63, 604-615.	2.1	7