Mohamed Samir Abdel Aziz

List of Publications by Year
in descending order

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26	851	430442	552369
papers	citations	18	26
		h-index	g-index

26	26	26	811
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Development of alginate-based edible coatings of optimized UV-barrier properties by response surface methodology for food packaging applications. International Journal of Biological Macromolecules, 2022, 212, 294-302.	3.6	19
2	Development of active edible coating of alginate and aloe vera enriched with frankincense oil for retarding the senescence of green capsicums. LWT - Food Science and Technology, 2021, 145, 111341.	2.5	28
3	Development of Antibacterial Xanthan/Chitosan Biguanidine Hydrochloride Polyelectrolyte Complexes Decorated with Eco-friendly Prepared Silver Nanoparticles. Nanoscience and Nanotechnology - Asia, 2021, 11, .	0.3	2
4	Developing multifunctional edible coatings based on alginate for active food packaging. International Journal of Biological Macromolecules, 2021, 190, 837-844.	3.6	35
5	Optimized carboxymethyl cellulose and guanidinylated chitosan enriched with titanium oxide nanoparticles of improved UV-barrier properties for the active packaging of green bell pepper. International Journal of Biological Macromolecules, 2020, 165, 1187-1197.	3.6	56
6	Optimized alginate and Aloe vera gel edible coating reinforced with nTiO2 for the shelf-life extension of tomatoes. International Journal of Biological Macromolecules, 2020, 165, 2693-2701.	3.6	49
7	Novel biocompatible and antimicrobial supramolecular O-carboxymethyl chitosan biguanidine/zinc physical hydrogels. International Journal of Biological Macromolecules, 2020, 163, 649-656.	3.6	34
8	Development of antibacterial carboxymethyl cellulose/chitosan biguanidine hydrochloride edible films activated with frankincense essential oil. International Journal of Biological Macromolecules, 2019, 139, 1162-1167.	3.6	69
9	Carboxymethyl cellulose/sodium alginate/chitosan biguanidine hydrochloride ternary system for edible coatings. International Journal of Biological Macromolecules, 2019, 139, 614-620.	3.6	72
10	Antimicrobial and swelling behaviors of novel biodegradable corn starch grafted/poly(4-acrylamidobenzoic acid) copolymers. International Journal of Biological Macromolecules, 2019, 134, 912-920.	3.6	20
11	Diglycidyl ether of bisphenol A/chitosanâ€‹graftâ€‹polyaniline composites with electromagnetic interference shielding properties: Synthesis, characterization, and curing kinetics. Polymer Engineering and Science, 2019, 59, 372-381.	1.5	17
12	Thermal properties, crystallization and antimicrobial activity of chitosan biguanidine grafted poly(3-hydroxybutyrate) containing silver nanoparticles. International Journal of Biological Macromolecules, 2018, 111, 19-27.	3.6	33
13	Novel biodegradable and antibacterial edible films based on alginate and chitosan biguanidine hydrochloride. International Journal of Biological Macromolecules, 2018, 116, 443-450.	3.6	87
14	Preparation and characterization of bioâ€based polyurethanes obtained from castor oil and poly (3â€hydroxybutyrate) and their nanocomposites. Polymer Composites, 2018, 39, E489.	2.3	10
15	Effect of vinyl montmorillonite on the physical, responsive and antimicrobial properties of the optimized polyacrylic acid/chitosan superabsorbent via Box-Behnken model. International Journal of Biological Macromolecules, 2018, 116, 840-848.	3.6	30
16	Biobased alginate/castor oil edible films for active food packaging. LWT - Food Science and Technology, 2018, 96, 455-460.	2.5	96
17	Nonisothermal crystallization behavior and molecular dynamics of poly(lactic acid) plasticized with jojoba oil. Journal of Thermal Analysis and Calorimetry, 2017, 128, 211-223.	2.0	20
18	Nanocomposites Based on Chitosan-Graft-Poly(N-Vinyl-2-Pyrrolidone): Synthesis, Characterization, and Biological Activity. International Journal of Polymeric Materials and Polymeric Biomaterials, 2015, 64, 578-586.	1.8	20

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19	Non-isothermal crystallization kinetics of poly(3-hydroxybutyrate) in copoly(ester-urethane) nanocomposites based on poly(3-hydroxybutyrate) and cloisite 30B. Thermochimica Acta, 2015, 605, 52-62.	1.2	27
20	Synthesis, Characterization, and Microbial Activity of Nanocomposites of Chitosan-Graft-Poly(4-vinyl) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 2015, 54, 1270-1279.	1.9	15
21	Cure kinetics and thermal stability of maleimide modified epoxy TGIC/CPE powder coating system. Thermochimica Acta, 2015, 617, 191-199.	1.2	13
22	Non-isothermal crystallization kinetics of bacterial poly(3-hydroxybutyrate) in poly(3-hydroxybutyrate-co-butylene adipate) urethanes. Thermochimica Acta, 2014, 591, 130-139.	1.2	13
23	Preparation and Characterization of Biodegradable Polyurethane Nanocomposites Based on Poly(3-hydroxybutyrate) and Poly(Butylene Adipate) Using Reactive Organoclay. Polymer-Plastics Technology and Engineering, 2014, 53, 1671-1681.	1.9	9
24	Effect of Organo-Modified Montmorillonite on Thermal Properties of Bacterial Poly(3-hydroxybutyrate). Polymer-Plastics Technology and Engineering, 2014, 53, 90-96.	1.9	15
25	Thermal properties of biodegradable poly(PHB/PCL-PEG-PCL) urethanes nanocomposites using clay/poly(Îµ-caprolactone) nanohybrid based masterbatch. Applied Clay Science, 2012, 57, 55-63.	2.6	24
26	Synthesis and thermal characterization of poly(ester-ether urethane)s based on PHB and PCL-PEG-PCL blocks. Journal of Polymer Research, 2011, 18, 1217-1227.	1.2	38