

Yuan Zhao

List of Publications by Year in descending order

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14
papers

562
citations

1163117

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1125743

13
g-index

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all docs

14
docs citations

14
times ranked

546
citing authors

#	ARTICLE	IF	CITATIONS
1	Antibacterial Mechanism of Curcumin: A Review. <i>Chemistry and Biodiversity</i> , 2020, 17, e2000171.	2.1	222
2	Effects of Cellulose Nanocrystals and Cellulose Nanofibers on the Structure and Properties of Polyhydroxybutyrate Nanocomposites. <i>Polymers</i> , 2019, 11, 2063.	4.5	83
3	Comprehensive Review of Polysaccharide-Based Materials in Edible Packaging: A Sustainable Approach. <i>Foods</i> , 2021, 10, 1845.	4.3	50
4	Effect of Choline-Based Deep Eutectic Solvent Pretreatment on the Structure of Cellulose and Lignin in Bagasse. <i>Processes</i> , 2021, 9, 384.	2.8	45
5	Synthesis and characterization of antibacterial polylactic acid film incorporated with cinnamaldehyde inclusions for fruit packaging. <i>International Journal of Biological Macromolecules</i> , 2020, 164, 4547-4555.	7.5	44
6	Application of chlorine dioxide microcapsule sustained-release antibacterial films for preservation of mangos. <i>Journal of Food Science and Technology</i> , 2019, 56, 1095-1103.	2.8	37
7	Antimicrobial food packaging integrating polysaccharide-based substrates with green antimicrobial agents: A sustainable path. <i>Food Research International</i> , 2022, 155, 111096.	6.2	33
8	Moisture-triggered release of self-produced ClO ₂ gas from microcapsule antibacterial film system. <i>Journal of Materials Science</i> , 2018, 53, 12704-12717.	3.7	15
9	Antioxidant migration resistance of SiO _x layer in SiO _x /PLA coated film. <i>Food Additives and Contaminants - Part A Chemistry, Analysis, Control, Exposure and Risk Assessment</i> , 2018, 35, 366-376.	2.3	9
10	Preparation of Long-Term Antibacterial SiO ₂ -Cinnamaldehyde Microcapsule via Sol-Gel Approach as a Functional Additive for PBAT Film. <i>Processes</i> , 2020, 8, 897.	2.8	7
11	Effectiveness of PECVD deposited nano-silicon oxide protective layer for polylactic acid film: Barrier and surface properties. <i>Food Packaging and Shelf Life</i> , 2020, 25, 100513.	7.5	7
12	Barrier functionality of SiO _x layers and their effect on mechanical properties of SiO _x /PLA composite films. <i>Journal of Coatings Technology Research</i> , 2018, 15, 505-514.	2.5	7
13	Effect of SiO _x layer on preventing the migration of plasticizer and antioxidant from polyethylene terephthalate films. <i>Iranian Polymer Journal (English Edition)</i> , 2019, 28, 173-182.	2.4	3
14	Mathematical equations combined with the MHE-GC method to study desorption kinetics of contaminants from food-package paper to air. <i>New Journal of Chemistry</i> , 2017, 41, 13838-13845.	2.8	0