

Ruchir Priyadarshi

List of Publications by Year in descending order

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Version: 2024-02-01

40
papers

2,567
citations

236612

25
h-index

329751

37
g-index

40
all docs

40
docs citations

40
times ranked

1747
citing authors

#	ARTICLE	IF	CITATIONS
1	Chitosan-based biodegradable functional films for food packaging applications. <i>Innovative Food Science and Emerging Technologies</i> , 2020, 62, 102346.	2.7	318
2	Chitosan films incorporated with Apricot (<i>Prunus armeniaca</i>) kernel essential oil as active food packaging material. <i>Food Hydrocolloids</i> , 2018, 85, 158-166.	5.6	221
3	Chitosan film incorporated with citric acid and glycerol as an active packaging material for extension of green chilli shelf life. <i>Carbohydrate Polymers</i> , 2018, 195, 329-338.	5.1	206
4	pH-responsive color indicator films based on methylcellulose/chitosan nanofiber and barberry anthocyanins for real-time monitoring of meat freshness. <i>International Journal of Biological Macromolecules</i> , 2021, 166, 741-750.	3.6	176
5	Gelatin-based functional films integrated with grapefruit seed extract and TiO ₂ for active food packaging applications. <i>Food Hydrocolloids</i> , 2021, 112, 106314.	5.6	150
6	Recent Advances in Intelligent Food Packaging Applications Using Natural Food Colorants. <i>ACS Food Science & Technology</i> , 2021, 1, 124-138.	1.3	120
7	Effect of sulfur nanoparticles on properties of alginate-based films for active food packaging applications. <i>Food Hydrocolloids</i> , 2021, 110, 106155.	5.6	110
8	Pectin/pullulan blend films for food packaging: Effect of blending ratio. <i>Food Chemistry</i> , 2021, 347, 129022.	4.2	109
9	Curcumin and its uses in active and smart food packaging applications - a comprehensive review. <i>Food Chemistry</i> , 2022, 375, 131885.	4.2	96
10	pH-responsive prodrug nanoparticles based on xylan-curcumin conjugate for the efficient delivery of curcumin in cancer therapy. <i>Carbohydrate Polymers</i> , 2018, 188, 252-259.	5.1	90
11	Effect of Varying Filler Concentration on Zinc Oxide Nanoparticle Embedded Chitosan Films as Potential Food Packaging Material. <i>Journal of Polymers and the Environment</i> , 2017, 25, 1087-1098.	2.4	89
12	CMC and CNF-based intelligent pH-responsive color indicator films integrated with shikonin to monitor fish freshness. <i>Food Control</i> , 2021, 126, 108046.	2.8	76
13	Carboxymethyl cellulose-based multifunctional film combined with zinc oxide nanoparticles and grape seed extract for the preservation of high-fat meat products. <i>Sustainable Materials and Technologies</i> , 2021, 29, e00325.	1.7	66
14	Cellulose nanofiber-based coating film integrated with nitrogen-functionalized carbon dots for active packaging applications of fresh fruit. <i>Postharvest Biology and Technology</i> , 2022, 186, 111845.	2.9	63
15	Redox responsive xylan-SS-curcumin prodrug nanoparticles for dual drug delivery in cancer therapy. <i>Materials Science and Engineering C</i> , 2020, 107, 110356.	3.8	61
16	Antioxidant pectin/pullulan edible coating incorporated with <i>Vitis vinifera</i> grape seed extract for extending the shelf life of peanuts. <i>Postharvest Biology and Technology</i> , 2022, 183, 111740.	2.9	60
17	Development of Multifunctional Pullulan/Chitosan-Based Composite Films Reinforced with ZnO Nanoparticles and Propolis for Meat Packaging Applications. <i>Foods</i> , 2021, 10, 2789.	1.9	54
18	Green and facile synthesis of carboxymethylcellulose/ZnO nanocomposite hydrogels crosslinked with Zn ²⁺ ions. <i>International Journal of Biological Macromolecules</i> , 2020, 162, 229-235.	3.6	51

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19	Gelatin/agar-based multifunctional film integrated with copper-doped zinc oxide nanoparticles and clove essential oil Pickering emulsion for enhancing the shelf life of pork meat. <i>Food Research International</i> , 2022, 160, 111690.	2.9	50
20	Sulfur Quantum Dots as Fillers in Gelatin/Agar-Based Functional Food Packaging Films. <i>ACS Applied Nano Materials</i> , 2021, 4, 14292-14302.	2.4	47
21	Nanoporous Sodium Carboxymethyl Cellulose-g-poly (Sodium Acrylate)/FeCl ₃ Hydrogel Beads: Synthesis and Characterization. <i>Gels</i> , 2020, 6, 49.	2.1	42
22	Antimicrobial nanofillers reinforced biopolymer composite films for active food packaging applications - A review. <i>Sustainable Materials and Technologies</i> , 2022, 32, e00353.	1.7	40
23	Preparation and characterization of B, S, and N-doped glucose carbon dots: Antibacterial, antifungal, and antioxidant activity. <i>Sustainable Materials and Technologies</i> , 2022, 32, e00397.	1.7	35
24	Alginate-based multifunctional films incorporated with sulfur quantum dots for active packaging applications. <i>Colloids and Surfaces B: Biointerfaces</i> , 2022, 215, 112519.	2.5	35
25	Advances in pullulan utilization for sustainable applications in food packaging and preservation: A mini-review. <i>Trends in Food Science and Technology</i> , 2022, 125, 43-53.	7.8	32
26	Carrageenan-Based Antimicrobial Films Integrated with Sulfur-Coated Iron Oxide Nanoparticles (Fe ₃ O ₄ @SNP). <i>ACS Applied Polymer Materials</i> , 2021, 3, 4913-4923.	2.0	25
27	Enhanced functionality of green synthesized sulfur nanoparticles using kiwifruit (<i>Actinidia deliciosa</i>) peel polyphenols as capping agents. <i>Journal of Nanostructure in Chemistry</i> , 2022, 12, 389-399.	5.3	23
28	Titania Nanotubes Decorated with Cu(I) and Cu(II) Oxides: Antibacterial and Ethylene Scavenging Functions To Extend the Shelf Life of Bananas. <i>ACS Sustainable Chemistry and Engineering</i> , 2021, 9, 6832-6840.	3.2	21
29	Development of novel cross-linked carboxymethyl cellulose/poly(potassium 1-hydroxy acrylate): synthesis, characterization and properties. <i>Polymer Bulletin</i> , 2020, 77, 4555-4570.	1.7	18
30	<l>Cynodon dactylon</l> Leaf Extract Assisted Green Synthesis of Silver Nanoparticles and Their Anti-Microbial Activity. <i>Advanced Science, Engineering and Medicine</i> , 2013, 5, 858-863.	0.3	14
31	Antiviral Biodegradable Food Packaging and Edible Coating Materials in the COVID-19 Era: A Mini-Review. <i>Coatings</i> , 2022, 12, 577.	1.2	14
32	Silver ion loaded 3-aminopropyl trimethoxysilane -modified Fe ₃ O ₄ nanoparticles for the fabrication of carrageenan-based active packaging films. <i>Colloids and Surfaces B: Biointerfaces</i> , 2021, 208, 112085.	2.5	13
33	Pine Needle (<i>Pinus densiflora</i>) Extract-Mediated Synthesis of Silver Nanoparticles and the Preparation of Carrageenan-Based Antimicrobial Packaging Films. <i>Journal of Nanomaterials</i> , 2022, 2022, 1-15.	1.5	11
34	Effect of carbon based fillers on properties of Chitosan/PVA/β-TCP based composite scaffold for bone tissue engineering. <i>Materials Today: Proceedings</i> , 2019, 15, 173-182.	0.9	10
35	Poly(vinyl pyrrolidone)-mediated synthesis of silver nanowires decorated with silver nanospheres and their antimicrobial activity. <i>Bulletin of Materials Science</i> , 2019, 42, 1.	0.8	9
36	Comparative analysis of TiO ₂ and Ag nanoparticles on xylan/chitosan conjugate matrix for wound healing application. <i>International Journal of Polymeric Materials and Polymeric Biomaterials</i> , 2022, 71, 376-385.	1.8	7

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37	Modified atmosphere packaging development. , 2020, , 261-280.		4
38	Stimuli-Responsive Nano-Drug Delivery Systems for Cancer Therapy. Nanotechnology in the Life Sciences, 2020, , 151-162.	0.4	1
39	Activating de novo triacylglycerol synthesis in oleaginous yeast for improved bio-diesel quality. WEENTECH Proceedings in Energy, 2018, 4, 16-24.	0.0	0
40	Polymer-Drug Conjugates as Drug Delivery Systems. , 2019, , 61-75.		0