

Ahmed A Tayel

List of Publications by Year in descending order

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71
papers

2,344
citations

172457

29
h-index

223800

46
g-index

73
all docs

73
docs citations

73
times ranked

3038
citing authors

#	ARTICLE	IF	CITATIONS
1	ANTIBACTERIAL ACTION OF ZINC OXIDE NANOPARTICLES AGAINST FOODBORNE PATHOGENS. Journal of Food Safety, 2011, 31, 211-218.	2.3	263
2	Inhibition of microbial pathogens by fungal chitosan. International Journal of Biological Macromolecules, 2010, 47, 10-14.	7.5	119
3	Application of fungal chitosan incorporated with pomegranate peel extract as edible coating for microbiological, chemical and sensorial quality enhancement of Nile tilapia fillets. International Journal of Biological Macromolecules, 2017, 99, 499-505.	7.5	115
4	Anticandidal action of fungal chitosan against Candida albicans. International Journal of Biological Macromolecules, 2010, 47, 454-457.	7.5	104
5	Brucella spp. infection in large ruminants in an endemic area of Egypt: cross-sectional study investigating seroprevalence, risk factors and livestock owner's knowledge, attitudes and practices (KAPs). BMC Public Health, 2011, 11, 341.	2.9	88
6	Botryticidal Activity of Nanosized Silver-Chitosan Composite and Its Application for the Control of Gray Mold in Strawberry. Journal of Food Science, 2013, 78, M1589-M1594.	3.1	68
7	Brucella infection in fresh water fish: Evidence for natural infection of Nile catfish, Clarias gariepinus, with Brucella melitensis. Veterinary Microbiology, 2010, 141, 321-325.	1.9	66
8	Control of citrus molds using bioactive coatings incorporated with fungal chitosan/plant extracts composite. Journal of the Science of Food and Agriculture, 2016, 96, 1306-1312.	3.5	64
9	Infants exposure to aflatoxin M1 as a novel foodborne zoonosis. Food and Chemical Toxicology, 2011, 49, 2816-2819.	3.6	61
10	Antimicrobial textile treated with chitosan from Aspergillus niger mycelial waste. International Journal of Biological Macromolecules, 2011, 49, 241-245.	7.5	59
11	Extracellular biosynthesis of anti-Candida silver nanoparticles using Monascus purpureus. Journal of Basic Microbiology, 2016, 56, 531-540.	3.3	59
12	Risk of Toxocara canis eggs in stray and domestic dog hair in Egypt. Veterinary Parasitology, 2011, 178, 319-323.	1.8	49
13	Augmented control of drug-resistant Candida spp. via fluconazole loading into fungal chitosan nanoparticles. International Journal of Biological Macromolecules, 2019, 141, 511-516.	7.5	49
14	Evaluation of fungal chitosan as a biocontrol and antibacterial agent using fluorescence-labeling. International Journal of Biological Macromolecules, 2013, 54, 204-208.	7.5	48
15	Production of fungal chitosan from date wastes and its application as a biopreservative for minced meat. International Journal of Biological Macromolecules, 2014, 69, 471-475.	7.5	47
16	Soil emendation with nano-fungal chitosan for heavy metals biosorption. International Journal of Biological Macromolecules, 2018, 118, 2265-2268.	7.5	47
17	Anticandidal activity of pomegranate peel extract aerosol as an applicable sanitizing method. Mycoses, 2010, 53, 117-122.	4.0	46
18	Microbial chitosan as a biopreservative for fish sausages. International Journal of Biological Macromolecules, 2016, 93, 41-46.	7.5	45

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19	Tetrazolium/Formazan Test as an Efficient Method to Determine Fungal Chitosan Antimicrobial Activity. <i>Journal of Mycology</i> , 2013, 2013, 1-7.	0.5	43
20	Augmented anticancer activity of curcumin loaded fungal chitosan nanoparticles. <i>International Journal of Biological Macromolecules</i> , 2020, 155, 861-867.	7.5	43
21	Green Biosynthesized Selenium Nanoparticles by Cinnamon Extract and Their Antimicrobial Activity and Application as Edible Coatings with Nano-Chitosan. <i>Journal of Food Quality</i> , 2021, 2021, 1-10.	2.6	43
22	Potential applications of pomegranate peel extract for the control of citrus green mould. <i>Journal of Plant Diseases and Protection</i> , 2009, 116, 252-256.	2.9	41
23	Potent antibacterial action of phyco-synthesized selenium nanoparticles using <i>Spirulina platensis</i> extract. <i>Green Processing and Synthesis</i> , 2021, 10, 49-60.	3.4	41
24	Seroprevalence of Hepatitis E Virus in Humans and Geographically Matched Food Animals in Egypt. <i>Zoonoses and Public Health</i> , 2013, 60, 244-251.	2.2	39
25	Antifungal application of biosynthesized selenium nanoparticles with pomegranate peels and nanochitosan as edible coatings for citrus green mold protection. <i>Journal of Nanobiotechnology</i> , 2022, 20, 182.	9.1	37
26	Surface Decontamination and Quality Enhancement in Meat Steaks Using Plant Extracts as Natural Biopreservatives. <i>Foodborne Pathogens and Disease</i> , 2012, 9, 755-761.	1.8	34
27	Foodborne Pathogens Prevention and Sensory Attributes Enhancement in Processed Cheese via Flavoring with Plant Extracts. <i>Journal of Food Science</i> , 2015, 80, M2886-91.	3.1	34
28	<i>Campylobacter</i> infections in children exposed to infected backyard poultry in Egypt. <i>Epidemiology and Infection</i> , 2015, 143, 308-315.	2.1	33
29	Antimicrobial and antioxidant activities of different extracts of the peel of kumquat (<i>Citrus japonica</i>) Tj ETQq1 1 0.784314 rgBT /Over 3.2 31	3.2	31
30	Bioactive coatings from nano-biopolymers/plant extract composites for complete protection from mycotoxigenic fungi in dates. <i>Journal of the Science of Food and Agriculture</i> , 2019, 99, 4338-4343.	3.5	31
31	Bio-clarification of water from heavy metals and microbial effluence using fungal chitosan. <i>International Journal of Biological Macromolecules</i> , 2016, 83, 277-281.	7.5	28
32	Bioactivity and application of plant seeds™ extracts to fight resistant strains of <i>Staphylococcus aureus</i> . <i>Annals of Agricultural Sciences</i> , 2018, 63, 47-53.	2.9	27
33	Effectual Anticancer Potentiality of Loaded Bee Venom onto Fungal Chitosan Nanoparticles. <i>International Journal of Polymer Science</i> , 2020, 2020, 1-9.	2.7	26
34	PLANT EXTRACTS AS POTENT BIOPRESERVATIVES FOR <i>SALMONELLA</i> TYPHIMURIUM CONTROL AND QUALITY ENHANCEMENT IN GROUND BEEF. <i>Journal of Food Safety</i> , 2012, 32, 115-121.	2.3	25
35	Antifungal action of <i>Pichia anomala</i> against aflatoxigenic <i>Aspergillus flavus</i> and its application as a feed supplement. <i>Journal of the Science of Food and Agriculture</i> , 2013, 93, 3259-3263.	3.5	24
36	Phytosynthesis of selenium nanoparticles using the costus extract for bactericidal application against foodborne pathogens. <i>Green Processing and Synthesis</i> , 2020, 9, 477-487.	3.4	24

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37	Application of <i>Quercus infectoria</i> extract as a natural antimicrobial agent for chicken egg decontamination. <i>Revista Argentina De Microbiologia</i> , 2018, 50, 391-397.	0.7	20
38	Application of Chitosan/Alginate Nanocomposite Incorporated with Phycosynthesized Iron Nanoparticles for Efficient Remediation of Chromium. <i>Polymers</i> , 2021, 13, 2481.	4.5	20
39	Fungal chitosan and <i>Lycium barbarum</i> extract as anti- <i>Listeria</i> and quality preservatives in minced catfish. <i>International Journal of Biological Macromolecules</i> , 2017, 104, 854-861.	7.5	19
40	Biopreservation of Shrimps Using Composed Edible Coatings from Chitosan Nanoparticles and Cloves Extract. <i>Journal of Food Quality</i> , 2020, 2020, 1-10.	2.6	18
41	Application of ZnO Nanoparticles Phycosynthesized with <i>Ulva fasciata</i> Extract for Preserving Peeled Shrimp Quality. <i>Nanomaterials</i> , 2021, 11, 385.	4.1	18
42	The potentiality of cross-linked fungal chitosan to control water contamination through bioactive filtration. <i>International Journal of Biological Macromolecules</i> , 2016, 88, 59-65.	7.5	17
43	Skin protectant textiles loaded with fish collagen, chitosan and oak galls extract composite. <i>International Journal of Biological Macromolecules</i> , 2018, 117, 25-29.	7.5	17
44	Possibility of fighting food borne bacteria by egyptian folk medicinal herbs and spices extracts. <i>Journal of the Egyptian Public Health Association</i> , The, 2009, 84, 21-32.	2.5	16
45	Exploration of Islamic medicine plant extracts as powerful antifungals for the prevention of mycotoxigenic <i>Aspergilli</i> growth in organic silage. <i>Journal of the Science of Food and Agriculture</i> , 2011, 91, n/a-n/a.	3.5	14
46	Application of natural plant extracts as colorants, preservatives, and anti- <i>Listerial</i> agents in processed fish products. <i>Journal of Food Safety</i> , 2018, 38, e12435.	2.3	13
47	Production of anticandidal cotton textiles treated with oak gall extract. <i>Revista Argentina De Microbiologia</i> , 2013, 45, 271-276.	0.7	12
48	Synergistic antimicrobial action of phyco-synthesized silver nanoparticles and nano-fungal chitosan composites against drug resistant bacterial pathogens. <i>Biotechnology and Biotechnological Equipment</i> , 2020, 34, 631-639.	1.3	12
49	Innovative biosynthesis of silver nanoparticles using yeast glucan nanopolymer and their potentiality as antibacterial composite. <i>Journal of Basic Microbiology</i> , 2021, 61, 677-685.	3.3	11
50	Application of Nanocomposites from Bees Products and Nano-Selenium in Edible Coating for Catfish Fillets Biopreservation. <i>Polymers</i> , 2022, 14, 2378.	4.5	11
51	Innovative system using smoke from smoldered plant materials to control <i>Aspergillus flavus</i> on stored grain. <i>International Biodeterioration and Biodegradation</i> , 2010, 64, 114-118.	3.9	8
52	Potential Zoonotic Pathways of <i>Salmonella</i> Enteritidis in Laying Farms. <i>Vector-Borne and Zoonotic Diseases</i> , 2010, 10, 739-742.	1.5	8
53	Antibacterial activity of fusion from biosynthesized acidocin/silver nanoparticles and its application for eggshell decontamination. <i>Journal of Basic Microbiology</i> , 2017, 57, 744-751.	3.3	8
54	Biopreservation and Quality Enhancement of Fish Surimi Using Colorant Plant Extracts. <i>Journal of Food Quality</i> , 2021, 2021, 1-8.	2.6	8

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55	Nanometals appraisal in food preservation and food-related activities. , 2017, , 487-526.		7
56	Production of new rhamnolipids Rha C16-C16 by Burkholderia sp. through biodegradation of diesel and biodiesel. Beni-Suef University Journal of Basic and Applied Sciences, 2018, 7, 492-498.	2.0	7
57	Phyto-fabrication of selenium nanorods using extract of pomegranate rind wastes and their potentialities for inhibiting fish-borne pathogens. Green Processing and Synthesis, 2021, 10, 529-537.	3.4	7
58	Anti-cholesterol and Antioxidant Activities of Independent and Combined Microalgae Aqueous Extracts In Vitro. Waste and Biomass Valorization, 2021, 12, 4845-4857.	3.4	7
59	Innovative Approach for Controlling Black Rot of Persimmon Fruits by Means of Nanobiotechnology from Nanochitosan and Rosmarinic Acid-Mediated Selenium Nanoparticles. Polymers, 2022, 14, 2116.	4.5	7
60	Application of Fish Collagen-Nanochitosan-Henna Extract Composites for the Control of Skin Pathogens and Accelerating Wound Healing. International Journal of Polymer Science, 2021, 2021, 1-9.	2.7	6
61	In vitro and in vivo hypolipidemic properties of the aqueous extract of <i>Spirulina platensis</i> , cultivated in colored flasks under artificial illumination. PeerJ, 2020, 8, e10366.	2.0	6
62	Comparison of the Efficiency of <i>Lepidium sativum</i> , <i>Ficus carica</i> , and <i>Punica granatum</i> Methanolic Extracts in Relieving Hyperglycemia and Hyperlipidemia of Streptozotocin-Induced Diabetic Rats. Journal of Diabetes Research, 2021, 2021, 1-12.	2.3	6
63	SOURCE DIVERSITY OF <i>TOXOPLASMA GONDII</i> INFECTION DURING MEAL PREPARATION. Journal of Food Safety, 2012, 32, 1-5.	2.3	5
64	Nanotechnology for Aquaculture. , 2019, , 479-544.		5
65	Anticandidal potentiality of biosynthesized and decorated nanometals with fucoidan. Green Processing and Synthesis, 2021, 10, 811-823.	3.4	5
66	Exploring the Antifungal Activity and Action of <i>Saussurea costus</i> Root Extracts against <i>Candida albicans</i> and Non- <i>albicans</i> Species. Antibiotics, 2022, 11, 327.	3.7	5
67	Quality Boost and Shelf-Life Prolongation of African Catfish Fillet Using <i>Lepidium sativum</i> Mucilage Extract and Selenium Nanoparticles. Journal of Food Quality, 2022, 2022, 1-10.	2.6	5
68	Mixed rearing correlates with the existence of <i>Trichophyton verrucosum</i> pathogens in humans. Dermatologica Sinica, 2015, 33, 130-133.	0.5	4
69	Synergistic <i>in vitro</i> anticancer actions of decorated selenium nanoparticles with fucoidan/Reishi extract against colorectal adenocarcinoma cells. Green Processing and Synthesis, 2022, 11, 373-384.	3.4	4
70	Microbial Biosynthesis of Health-Promoting Food Ingredients. , 2017, , 55-93.		2
71	Fungicidal Effects of Plant Smoldering Fumes on Archival Paper-based Documents. Restaurator, 2016, 37, .	0.2	1