Mohamed T El-Saadony

List of Publications by Year
in descending order

118	5,136	53660	110170
papers	citations	45 h-index	64 g-index

120	120	120	1807
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Antimicrobial and antioxidant properties of chitosan and its derivatives and their applications: A review. International Journal of Biological Macromolecules, 2020, 164, 2726-2744.	3.6	403
2	The functionality of probiotics in aquaculture: An overview. Fish and Shellfish Immunology, 2021, 117, 36-52.	1.6	245
3	Probiotics in poultry feed: A comprehensive review. Journal of Animal Physiology and Animal Nutrition, 2020, 104, 1835-1850.	1.0	186
4	Curcumin, the active substance of turmeric: its effects on health and ways to improve its bioavailability. Journal of the Science of Food and Agriculture, 2021, 101, 5747-5762.	1.7	139
5	Biological silicon nanoparticles improve Phaseolus vulgaris L. yield and minimize its contaminant contents on a heavy metals-contaminated saline soil. Journal of Environmental Sciences, 2021, 106, 1-14.	3.2	125
6	Ecofriendly Synthesis and Insecticidal Application of Copper Nanoparticles against the Storage Pest Tribolium castaneum. Nanomaterials, 2020, 10, 587.	1.9	122
7	The use of biological selenium nanoparticles to suppress Triticum aestivum L. crown and root rot diseases induced by Fusarium species and improve yield under drought and heat stress. Saudi Journal of Biological Sciences, 2021, 28, 4461-4471.	1.8	119
8	The use of microbial inoculants for biological control, plant growth promotion, and sustainable agriculture: A review. European Journal of Plant Pathology, 2022, 162, 759-792.	0.8	119
9	Using essential oils to overcome bacterial biofilm formation and their antimicrobial resistance. Saudi Journal of Biological Sciences, 2021, 28, 5145-5156.	1.8	117
10	Effect of Dietary Supplementation of Biological Curcumin Nanoparticles on Growth and Carcass Traits, Antioxidant Status, Immunity and Caecal Microbiota of Japanese Quails. Animals, 2020, 10, 754.	1.0	106
11	Effects of Dietary Biological or Chemical-Synthesized Nano-Selenium Supplementation on Growing Rabbits Exposed to Thermal Stress. Animals, 2020, 10, 430.	1.0	102
12	Antioxidant and antimicrobial activities of Spirulina platensis extracts and biogenic selenium nanoparticles against selected pathogenic bacteria and fungi. Saudi Journal of Biological Sciences, 2022, 29, 1197-1209.	1.8	102
13	Alternatives to antibiotics for organic poultry production: types, modes of action and impacts on bird's health and production. Poultry Science, 2022, 101, 101696.	1.5	101
14	Phytochemical control of poultry coccidiosis: a review. Poultry Science, 2022, 101, 101542.	1.5	99
15	Vital roles of sustainable nano-fertilizers in improving plant quality and quantity-an updated review. Saudi Journal of Biological Sciences, 2021, 28, 7349-7359.	1.8	91
16	Selenium nanoparticles from Lactobacillus paracasei HM1 capable of antagonizing animal pathogenic fungi as a new source from human breast milk. Saudi Journal of Biological Sciences, 2021, 28, 6782-6794.	1.8	87
17	Use of lemongrass essential oil as a feed additive in quail's nutrition: its effect on growth, carcass, blood biochemistry, antioxidant and immunological indices, digestive enzymes and intestinal microbiota. Poultry Science, 2021, 100, 101172.	1.5	86
18	Impacts of Supplementing Broiler Diets with Biological Curcumin, Zinc Nanoparticles and Bacillus licheniformis on Growth, Carcass Traits, Blood Indices, Meat Quality and Cecal Microbial Load. Animals, 2021, 11, 1878.	1.0	85

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19	Approaches to prevent and control Campylobacter spp. colonization in broiler chickens: a review. Environmental Science and Pollution Research, 2021, 28, 4989-5004.	2.7	83
20	Polyphenolic extracts from pomegranate and watermelon wastes as substrate to fabricate sustainable silver nanoparticles with larvicidal effect against Spodoptera littoralis. Saudi Journal of Biological Sciences, 2021, 28, 5674-5683.	1.8	83
21	Heavy metals-resistant bacteria (HM-RB): Potential bioremediators of heavy metals-stressed Spinacia oleracea plant. Ecotoxicology and Environmental Safety, 2020, 198, 110685.	2.9	78
22	Essential oils and their nanoemulsions as green alternatives to antibiotics in poultry nutrition: a comprehensive review. Poultry Science, 2022, 101, 101584.	1.5	74
23	The beneficial impacts of dietary phycocyanin supplementation on growing rabbits under high ambient temperature. Italian Journal of Animal Science, 2020, 19, 1046-1056.	0.8	73
24	Use of biological nano zinc as a feed additive in quail nutrition: biosynthesis, antimicrobial activity and its effect on growth, feed utilisation, blood metabolites and intestinal microbiota. Italian Journal of Animal Science, 2021, 20, 324-335.	0.8	73
25	Impact of mycogenic zinc nanoparticles on performance, behavior, immune response, and microbial load in Oreochromis niloticus. Saudi Journal of Biological Sciences, 2021, 28, 4592-4604.	1.8	70
26	Nutritional, antimicrobial and medicinal properties of Camelâ€™s milk: A review. Saudi Journal of Biological Sciences, 2021, 28, 3126-3136.	1.8	69
27	Plant growth-promoting rhizobacteria: Potential improvement in antioxidant defense system and suppression of oxidative stress for alleviating salinity stress in Triticum aestivum (L.) plants. Biocatalysis and Agricultural Biotechnology, 2020, 30, 101878.	1.5	66
28	Biochemical and Functional Characterization of Kidney Bean Protein Alcalase-Hydrolysates and Their Preservative Action on Stored Chicken Meat. Molecules, 2021, 26, 4690.	1.7	64
29	Paenibacillus polymyxa (LM31) as a new feed additive: Antioxidant and antimicrobial activity and its effects on growth, blood biochemistry, and intestinal bacterial populations of growing Japanese quail. Animal Feed Science and Technology, 2021, 276, 114920.	1.1	63
30	The potential mechanistic insights and future implications for the effect of prebiotics on poultry performance, gut microbiome, and intestinal morphology. Poultry Science, 2021, 100, 101143.	1.5	63
31	Nutritional Aspects and Health Benefits of Bioactive Plant Compounds against Infectious Diseases: A Review. Food Reviews International, 2023, 39, 2138-2160.	4.3	63
32	Dietary effect of licorice (Glycyrrhiza glabra) on quail performance, carcass, blood metabolites and intestinal microbiota. Poultry Science, 2021, 100, 101266.	1.5	61
33	Necrotic enteritis in broiler chickens: disease characteristics and prevention using organic antibiotic alternatives â€“ a comprehensive review. Poultry Science, 2022, 101, 101590.	1.5	61
34	Palatable functional cucumber juices supplemented with polyphenols-rich herbal extracts. LWT - Food Science and Technology, 2021, 148, 111668.	2.5	60
35	Mitigating negative impacts of heat stress in growing rabbits via dietary prodigiosin supplementation. Livestock Science, 2020, 240, 104220.	0.6	58
36	Prebiotics can restrict Salmonella populations in poultry: a review. Animal Biotechnology, 2022, 33, 1668-1677.	0.7	58

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37	Ways to minimize bacterial infections, with special reference to Escherichia coli, to cope with the first-week mortality in chicks: an updated overview. Poultry Science, 2021, 100, 101039.	1.5	57
38	Bioactive peptides supplemented raw buffalo milk: biological activity, shelf life and quality properties during cold preservation. Saudi Journal of Biological Sciences, 2021, 28, 4581-4591.	1.8	56
39	COVID-19 in Human, Animal, and Environment: A Review. Frontiers in Veterinary Science, 2020, 7, 578.	0.9	54
40	Impacts of Green Coffee Powder Supplementation on Growth Performance, Carcass Characteristics, Blood Indices, Meat Quality and Gut Microbial Load in Broilers. Agriculture (Switzerland), 2020, 10, 457.	1.4	54
41	Influences of dietary herbal blend and feed restriction on growth, carcass characteristics and gut microbiota of growing rabbits. Italian Journal of Animal Science, 2021, 20, 896-910.	0.8	54
42	Impact of cucumber pomace fortification on the nutritional, sensorial and technological quality of soft wheat flourâ€based noodles. International Journal of Food Science and Technology, 2021, 56, 3255-3268.	1.3	52
43	Enhancing quality and safety of raw buffalo meat using the bioactive peptides of pea and red kidney bean under refrigeration conditions. Italian Journal of Animal Science, 2021, 20, 762-776.	0.8	51
44	Effects of Chemical and Natural Additives on Cucumber Juiceâ€™s Quality, Shelf Life, and Safety. Foods, 2020, 9, 639.	1.9	49
45	Green nanotechnology for preserving and enriching yogurt with biologically available iron (II). Innovative Food Science and Emerging Technologies, 2021, 69, 102645.	2.7	48
46	Biosynthesis, Optimization and Characterization of Silver Nanoparticles Using a Soil Isolate of Bacillus pseudomycoides MT32 and their Antifungal Activity Against some Pathogenic Fungi. Advances in Animal and Veterinary Sciences, 2019, 7, .	0.1	48
47	The control of poultry salmonellosis using organic agents: an updated overview. Poultry Science, 2022, 101, 101716.	1.5	47
48	Utilization of drought-tolerant bacterial strains isolated from harsh soils as a plant growth-promoting rhizobacteria (PGPR). Saudi Journal of Biological Sciences, 2022, 29, 1760-1769.	1.8	43
49	Biological silicon nanoparticles maximize the efficiency of nematicides against biotic stress induced by Meloidogyne incognita in eggplant. Saudi Journal of Biological Sciences, 2022, 29, 920-932.	1.8	42
50	Ammonia emissions in poultry houses and microbial nitrification as a promising reduction strategy. Science of the Total Environment, 2021, 781, 146978.	3.9	32
51	Hot red pepper powder as a safe alternative to antibiotics in organic poultry feed: an updated review. Poultry Science, 2022, 101, 101684.	1.5	32
52	Plant Growth-Promoting Rhizobacteria Improve Growth, Morph-Physiological Responses, Water Productivity, and Yield of Rice Plants Under Full and Deficit Drip Irrigation. Rice, 2022, 15, 16.	1.7	30
53	Flavoring and extending the shelf life of cucumber juice with aroma compounds-rich herbal extracts at 4ÂÂ°C through controlling chemical and microbial fluctuations. Saudi Journal of Biological Sciences, 2021, 29, 346-354.	1.8	28
54	COVID-19: pathogenesis, advances in treatment and vaccine development and environmental impactâ€”an updated review. Environmental Science and Pollution Research, 2021, 28, 22241-22264.	2.7	24

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55	Use of Chemical Nano-Selenium as an Antibacterial and Antifungal Agent in Quail Diets and Its Effect on Growth, Carcasses, Antioxidant, Immunity and Caecal Microbes. Animals, 2021, 11, 3027.	1.0	24
56	Eco-friendly application of nano-chitosan for controlling potato and tomato bacterial wilt. Saudi Journal of Biological Sciences, 2022, 29, 2199-2209.	1.8	24
57	Evaluation of the antiparasitic activity of the chitosan-silver nanocomposites in the treatment of experimentally infested pigeons with Pseudolynchia canariensis. Saudi Journal of Biological Sciences, 2022, 29, 1644-1652.	1.8	23
58	Effect of Aloe vera and clove powder supplementation on growth performance, carcass and blood chemistry of Japanese quails. Poultry Science, 2022, 101, 101702.	1.5	23
59	Betaine and related compounds: Chemistry, metabolism and role in mitigating heat stress in poultry. Journal of Thermal Biology, 2022, 104, 103168.	1.1	23
60	Shrimp production, the most important diseases that threaten it, and the role of probiotics in confronting these diseases: A review. Research in Veterinary Science, 2022, 144, 126-140.	0.9	22
61	Spirulina platensis and biosynthesized selenium nanoparticles improve performance, antioxidant status, humoral immunity and dietary and ileal microbial populations of heat-stressed broilers. Journal of Thermal Biology, 2022, 104, 103195.	1.1	22
62	New eco-friendly trends to produce biofuel and bioenergy from microorganisms: An updated review. Saudi Journal of Biological Sciences, 2022, , .	1.8	22
63	Impacts of dietary supplementation of pyocyanin powder on growth performance, carcase traits, blood chemistry, meat quality and gut microbial activity of broilers. Italian Journal of Animal Science, 2021, 20, 1357-1372.	0.8	21
64	Control of foliar phytoparasitic nematodes through sustainable natural materials: Current progress and challenges. Saudi Journal of Biological Sciences, 2021, 28, 7314-7326.	1.8	20
65	Thermal treatment alternatives for enzymes inactivation in fruit juices: Recent breakthroughs and advancements. Ultrasonics Sonochemistry, 2022, 86, 105999.	3.8	20
66	Biological control: An effective approach against nematodes using black pepper plants (Piper nigrum) Tj ETQq0 0 0 rgBT /Overlock 10 Tf	1.8	18
67	Influences of total sulfur amino acids and photoperiod on growth, carcass traits, blood parameters, meat quality and cecal microbial load of broilers. Saudi Journal of Biological Sciences, 2022, 29, 1683-1693.	1.8	17
68	Undesirable odour substances (geosmin and 2-methylisoborneol) in water environment: Sources, impacts and removal strategies. Marine Pollution Bulletin, 2022, 178, 113579.	2.3	17
69	The prevalence and intensity of external parasites in domestic pigeons (Columba livia domestica) in Egypt with special reference to the role of deltamethrin as insecticidal agent. Saudi Journal of Biological Sciences, 2022, 29, 1825-1831.	1.8	16
70	In ovo Inoculation of Bacillus subtilis and Raffinose Affects Growth Performance, Cecal Microbiota, Volatile Fatty Acid, Ileal Morphology and Gene Expression, and Sustainability of Broiler Chickens (Gallus gallus). Frontiers in Nutrition, 2022, 9, .	1.6	16
71	The relationship among avian influenza, gut microbiota and chicken immunity: an updated overview. Poultry Science, 2022, 101, 102021.	1.5	16
72	Coapplication of Effective Microorganisms and Nanomagnesium Boosts the Agronomic, Physio-Biochemical, Osmolytes, and Antioxidants Defenses Against Salt Stress in Ipomoea batatas. Frontiers in Plant Science, 0, 13, .	1.7	16

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73	Mycoplasma gallisepticum: a devastating organism for the poultry industry in Egypt. Poultry Science, 2022, 101, 101658.	1.5	15
74	Pharmacological, nutritional and antimicrobial uses of Moringa oleifera Lam. leaves in poultry nutrition: an updated knowledge. Poultry Science, 2022, 101, 102031.	1.5	15
75	Virulence of entomopathogenic fungi against Culex pipiens: Impact on biomolecules availability and life table parameters. Saudi Journal of Biological Sciences, 2022, 29, 385-393.	1.8	14
76	Selenium nanoparticles enhance the efficacy of homologous vaccine against the highly pathogenic avian influenza H5N1 virus in chickens. Saudi Journal of Biological Sciences, 2022, 29, 2095-2111.	1.8	14
77	The use of black pepper (Piper guineense) as an ecofriendly antimicrobial agent to fight foodborne microorganisms. Environmental Science and Pollution Research, 2022, 29, 10894-10907.	2.7	14
78	Screening and evaluation of different algal extracts and prospects for controlling the disease vector mosquito Culex pipiens L.. Saudi Journal of Biological Sciences, 2022, 29, 933-940.	1.8	13
79	Morphological and molecular characterization of Ascaridia columbae in the domestic pigeon (Columba livia domestica) and the assessment of its immunological responses. Poultry Science, 2022, 101, 101596.	1.5	13
80	Consecutive seasonal effect on yield and water productivity of drip deficit irrigated sorghum in saline soils. Saudi Journal of Biological Sciences, 2022, 29, 2683-2690.	1.8	13
81	The use of previous crops as sustainable and eco-friendly management to fight Fusarium oxysporum in sesame plants. Saudi Journal of Biological Sciences, 2021, 28, 5849-5859.	1.8	12
82	Improving growth and productivity of faba bean (Vicia faba L.) using chitosan, tryptophan, and potassium silicate anti-transpirants under different irrigation regimes. Saudi Journal of Biological Sciences, 2022, 29, 955-962.	1.8	12
83	Biogas manufacture from co-digestion of untreated primary sludge with raw chicken manure under anaerobic mesophilic environmental conditions. Saudi Journal of Biological Sciences, 2022, 29, 2969-2977.	1.8	11
84	Low host specificity of Hippobosca equina infestation in different domestic animals and pigeon. Saudi Journal of Biological Sciences, 2022, 29, 2112-2120.	1.8	10
85	Reusability of immobilized Î²-glucosidase on sodium alginate-coated magnetic nanoparticles and high productivity applications. Journal of Saudi Chemical Society, 2022, 26, 101517.	2.4	10
86	In vitro study on the effect of cytokines and auxins addition to growth medium on the micropropagation and rooting of Paulownia species (Paulownia hybridandPaulownia tomentosa). Saudi Journal of Biological Sciences, 2022, 29, 1598-1603.	1.8	9
87	Evaluation of genetic behavior of some Egyption Cotton genotypes for tolerance to water stress conditions. Saudi Journal of Biological Sciences, 2022, 29, 1611-1617.	1.8	9
88	Evaluation of dried tomato pomace as a nonâ€conventional feed: Its effect on growth, nutrients digestibility, digestive enzyme, blood chemistry and intestinal microbiota of growing quails. Food and Energy Security, 2022, 11, .	2.0	9
89	Incidence of gastrointestinal parasites in pigeons with an assessment of the nematocidal activity of chitosan nanoparticles against Ascaridia columbae. Poultry Science, 2022, 101, 101820.	1.5	9
90	Genetic behavior of earliness and yield traits of some rice (Oryza sativa L.) genotypes. Saudi Journal of Biological Sciences, 2022, 29, 2691-2697.	1.8	9

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91	Parasitological and histopathological examination of Cocktail lovebirds infected with Eimeria aratinga (Apicomplexa: Eimeriidae). Poultry Science, 2022, 101, 101781.	1.5	8
92	Ùsome biologically active microorganisms have the potential to suppress mosquito larvae (Culex) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	1.8	7
93	Fluctuation in amino acids content in Triticum aestivum L. cultivars as an indicator on the impact of post-emergence herbicides in controlling weeds. Saudi Journal of Biological Sciences, 2021, 28, 6332-6338.	1.8	6
94	Impact of plant growth regulators spray on fruit quantity and quality of pepper (Capsicum annuum L.) cultivars grown under plastic tunnels. Saudi Journal of Biological Sciences, 2022, 29, 2291-2298.	1.8	6
95	Improvement of Selected Morphological, Physiological, and Biochemical Parameters of Roselle (Hibiscus sabdariffa L.) Grown under Different Salinity Levels Using Potassium Silicate and Aloe saponaria Extract. Plants, 2022, 11, 497.	1.6	6
96	Moringa oleifera Leaf Powder Dietary Inclusion Differentially Modulates the Antioxidant, Inflammatory, and Histopathological Responses of Normal and Aeromonas hydrophila-Infected Mono-Sex Nile Tilapia (Oreochromis niloticus). Frontiers in Veterinary Science, 0, 9, .	0.9	6
97	The Combining Ability for Grain Yield and Some Related Characteristics in Rice (Oryza sativa L.) Under Normal and Water Stress Conditions. Frontiers in Plant Science, 0, 13, .	1.7	6
98	Finite element modeling of the breakage behavior of agricultural biomass pellets under different heights during handling and storage. Saudi Journal of Biological Sciences, 2022, 29, 1407-1415.	1.8	5
99	Nitrogen-molybdenum-manganese co-fertilization reduces nitrate accumulation and enhances spinach (Spinacia oleracea L.) yield and its quality. Saudi Journal of Biological Sciences, 2021, 29, 2238-2246.	1.8	5
100	Assessment of the R2R3 MYB gene expression profile during tomato fruit development using in silico analysis, quantitative and semi-quantitative RT-PCR. Saudi Journal of Biological Sciences, 2022, , .	1.8	5
101	Emergence, evolution, and vaccine production approaches of SARS-CoV-2 virus: Benefits of getting vaccinated and common questions. Saudi Journal of Biological Sciences, 2022, 29, 1981-1997.	1.8	5
102	Bread Wheat Productivity in Response to Humic Acid Supply and Supplementary Irrigation Mode in Three Northwestern Coastal Sites of Egypt. Agronomy, 2022, 12, 1499.	1.3	5
103	The effect of abamectin seeds treatment on plant growth and the infection of root-knot nematode Meloidogyne incognita (Kofoid and White) chitwood. Saudi Journal of Biological Sciences, 2022, 29, 970-974.	1.8	4
104	Biochemical and molecular diagnosis of different tomato cultivars susceptible and resistant to Tuta absoluta (Meyrick) infestation. Saudi Journal of Biological Sciences, 2022, 29, 2904-2910.	1.8	4
105	Evaluation of antibacterial activity induced by Staphylococcus aureus and Ent A in the hemolymph of Spodoptera littoralis. Saudi Journal of Biological Sciences, 2022, 29, 2892-2903.	1.8	4
106	Evaluation of immune responses and oxidative stress in donkeys: immunological studies provoked by Parascaris equorum infection. Saudi Journal of Biological Sciences, 2021, 29, 2173-2179.	1.8	3
107	Assessment of grain quality traits in rice under normal and water deficit condition. Saudi Journal of Biological Sciences, 2022, , .	1.8	3
108	Mesoporous Nano-Sized BiFeVOx.y Phases for Removal of Organic Dyes from Wastewaters by Visible Light Photocatalytic Degradation. Nanomaterials, 2022, 12, 1383.	1.9	3

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109	The potency of newly development H5N8 and H9N2 avian influenza vaccines against the isolated strains in laying hens from Egypt during 2019. Saudi Journal of Biological Sciences, 2021, 28, 5310-5316.	1.8	2
110	Utilizing biomass energy for improving summer squash greenhouse productivity during the winter season. Saudi Journal of Biological Sciences, 2022, 29, 822-830.	1.8	2
111	Stability and anatomical parameters of irradiated potato cultivars under drought stress. Saudi Journal of Biological Sciences, 2022, 29, 2819-2827.	1.8	2
112	Pathogenicity of three genetically distinct and highly pathogenic Egyptian H5N8 avian influenza viruses in chickens. Poultry Science, 2022, 101, 101662.	1.5	2
113	Molecular characterization of aviadenovirus serotypes and pathogenicity of the identified adenovirus in broiler chickens. Poultry Science, 2022, , 101918.	1.5	2
114	Investigation of many bacterial and viral infections circulating in pigeons showing nervous symptoms. Saudi Journal of Biological Sciences, 2022, 29, 2911-2920.	1.8	1
115	Phototoxicity of Eosin yellow Lactone and Phloxine B photosensitizers against mosquito larvae and their associated predators in El-Fayoum (Egypt). Saudi Journal of Biological Sciences, 2022, , .	1.8	1
116	Polychromatism in adult Deroplax silphoides (Heteroptera: Scutelleridae) and a morphological examination of the immature stages. Saudi Journal of Biological Sciences, 2022, , .	1.8	0
117	Effects of rhizobacteria and seed oils as eco-friendly agents against Meloidogyne incognita infested pepper plants under greenhouse and repeated applications field conditions. Saudi Journal of Biological Sciences, 2022, , .	1.8	0
118	Mushroom; Chemistry, Bioactive Components, and Application. , 0, , .		0