Rangasamy Anandan

List of Publications by Year
in descending order

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		186209	214721
79	2,585	28	47
papers	citations	h-index	g-index

79	79	79	3084
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Effect of squalene on tissue defense system in isoproterenol-induced myocardial infarction in rats. Pharmacological Research, 2004, 50, 231-236.	3.1	207
2	Nutritional composition of food fishes and their importance in providing food and nutritional security. Food Chemistry, 2019, 293, 561-570.	4.2	148
3	Distribution of organochlorine pesticides and heavy metal residues in fish and shellfish from Calicut region, Kerala, India. Chemosphere, 2006, 65, 583-590.	4.2	143
4	Amino Acid Compositions of 27 Food Fishes and Their Importance in Clinical Nutrition. Journal of Amino Acids, 2014, 2014, 1-7.	5.8	128
5	Antioxidant defense of betaine against isoprenaline-induced myocardial infarction in rats. Molecular Biology Reports, 2010, 37, 1319-1327.	1.0	88
6	Effect of chitosan supplementation on antitubercular drugs-induced hepatotoxicity in rats. Toxicology, 2006, 219, 53-59.	2.0	80
7	Synthesis and biochemical characterization of silver nanoparticles grafted chitosan (Chi-Ag-NPs): in vitro studies on antioxidant and antibacterial applications. SN Applied Sciences, 2020, 2, 1.	1.5	77
8	Changes in tissue defence system in white spot syndrome virus (WSSV) infected Penaeus monodon. Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology, 2007, 145, 315-320.	1.3	74
9	Hepatoprotective activity of chitosan against isoniazid and rifampicin-induced toxicity in experimental rats. European Journal of Pharmacology, 2007, 572, 69-73.	1.7	73
10	Cardioprotective effects of Picrorrhiza kurroa against isoproterenol-induced myocardial stress in rats. FÃ¬toterapÃ¬Ã¢, 2001, 72, 402-405.	1.1	68
11	Vanillic acid and coumaric acid grafted chitosan derivatives: improved grafting ratio and potential application in functional food. Journal of Food Science and Technology, 2015, 52, 7153-7162.	1.4	67
12	DHA and EPA Content and Fatty Acid Profile of 39 Food Fishes from India. BioMed Research International, 2016, 2016, 1-14.	0.9	63
13	Cardioprotective Effect of Squalene on Lipid Profile in Isoprenaline-Induced Myocardial Infarction in Rats. Journal of Medicinal Food, 2006, 9, 531-536.	0.8	62
14	Evaluation of chitosan as a wall material for microencapsulation of squalene by spray drying: Characterization and oxidative stability studies. International Journal of Biological Macromolecules, 2017, 104, 1986-1995.	3.6	57
15	Biochemical profile of oyster Crassostrea madrasensis and its nutritional attributes. Egyptian Journal of Aquatic Research, 2014, 40, 35-41.	1.0	56
16	Protective effect of Hemidesmus indicus against rifampicin and isoniazid-induced hepatotoxicity in rats. FÃ¬toterapÃ¬Ã¢, 2000, 71, 55-59.	1.1	51
17	Micronutrient Composition of 35 Food Fishes from India and Their Significance in Human Nutrition. Biological Trace Element Research, 2016, 174, 448-458.	1.9	47
18	Anti-ulcerogenic effect of chitin and chitosan on mucosal antioxidant defence system in HCl-ethanol-induced ulcer in rats. Journal of Pharmacy and Pharmacology, 2010, 56, 265-269.	1.2	46

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19	Studies on the protective effects of betaine against oxidative damage during experimentally induced restraint stress in Wistar albino rats. Cell Stress and Chaperones, 2011, 16, 641-652.	1.2	45
20	Protective effect of taurine on myocardial antioxidant status in isoprenaline-induced myocardial infarction in rats. Journal of Pharmacy and Pharmacology, 2010, 57, 1313-1317.	1.2	43
21	Influence of pH on the solubility and conformational characteristics of muscle proteins from mullet (Mugil cephalus). Process Biochemistry, 2007, 42, 1056-1062.	1.8	42
22	Protective effect of n-3 polyunsaturated fatty acids concentrate on isoproterenol-induced myocardial infarction in rats. Prostaglandins Leukotrienes and Essential Fatty Acids, 2007, 76, 153-158.	1.0	41
23	Antiaging effect of dietary chitosan supplementation on glutathione-dependent antioxidant system in young and aged rats. Cell Stress and Chaperones, 2013, 18, 121-125.	1.2	38
24	Chitosan â€“ Whey protein as efficient delivery system for squalene: Characterization and functional food application. International Journal of Biological Macromolecules, 2019, 135, 855-863.	3.6	36
25	Evaluation of Azadirachta indica Leaf Fractions for in Vitro Antioxidant Potential and Protective Effects against H2O2-Induced Oxidative Damage to pBR322 DNA and Red Blood Cells. Journal of Agricultural and Food Chemistry, 2009, 57, 6990-6996.	2.4	34
26	Chemoprevention of rat mammary carcinogenesis by Azadirachta indica leaf fractions: Modulation of hormone status, xenobiotic-metabolizing enzymes, oxidative stress, cell proliferation and apoptosis. Food and Chemical Toxicology, 2009, 47, 1852-1863.	1.8	34
27	Sequence Determination of an Antioxidant Peptide Obtained by Enzymatic Hydrolysis of Oyster Crassostrea madrasensis (Preston). International Journal of Peptide Research and Therapeutics, 2016, 22, 421-433.	0.9	32
28	Nanoencapsulation in lowâ€molecularâ€weight chitosan improves in vivo antioxidant potential of black carrot anthocyanin. Journal of the Science of Food and Agriculture, 2021, 101, 5264-5271.	1.7	32
29	Bioactivities of astaxanthin from natural sources, augmenting its biomedical potential: A review. Trends in Food Science and Technology, 2022, 125, 81-90.	7.8	31
30	Biochemical Studies on the Protective Effect of Betaine on Mitochondrial Function in Experimentally Induced Myocardial Infarction in Rats. Journal of Health Science, 2007, 53, 671-681.	0.9	30
31	Dietary chitosan supplementation attenuates isoprenaline-induced oxidative stress in rat myocardium. International Journal of Biological Macromolecules, 2012, 51, 783-787.	3.6	29
32	Development of thiamine and pyridoxine loaded ferulic acid-grafted chitosan microspheres for dietary supplementation. Journal of Food Science and Technology, 2016, 53, 551-560.	1.4	29
33	Protective effects of Picrorrhiza kurroa against HCl/ethanol-induced ulceration in rats. FÃ¬toterapÃ¬Ã¢, 1999, 70, 498-501.	1.1	28
34	Protective effect of betaine on changes in the levels of lysosomal enzyme activities in heart tissue in isoprenaline-induced myocardial infarction in Wistar rats. Cell Stress and Chaperones, 2009, 14, 661-667.	1.2	28
35	Biochemical Studies on the Cardioprotective Effect of Glutamine on Tissue Antioxidant Defense System in Isoprenaline-Induced Myocardial Infarction in Rats. Journal of Clinical Biochemistry and Nutrition, 2007, 40, 49-55.	0.6	26
36	Physicochemical characterization of muscle proteins from different regions of mackerel (Rastrelliger kanagurta). Food Chemistry, 2008, 106, 451-457.	4.2	25

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37	Protective effect of dietary squalene supplementation on mitochondrial function in liver of aged rats. Prostaglandins Leukotrienes and Essential Fatty Acids, 2007, 76, 349-355.	1.0	24
38	Antioxidant Potential of Water Hyacinth (Eichornia crassipes): In Vitro Antioxidant Activity and Phenolic Composition. Journal of Aquatic Food Product Technology, 2013, 22, 11-26.	0.6	22
39	Investigation of the chemopreventive potential of neem leaf subfractions in the hamster buccal pouch model and phytochemical characterization. European Journal of Medicinal Chemistry, 2012, 56, 271-281.	2.6	21
40	Protective effect of glucosamine against ibuprofen-induced peptic ulcer in rats. Journal of Gastroenterology and Hepatology (Australia), 2007, 22, 949-953.	1.4	20
41	Antioxidant, functional properties and amino acid composition of pepsin-derived protein hydrolysates from whole tilapia waste as influenced by pre-processing ice storage. Journal of Food Science and Technology, 2017, 54, 4257-4267.	1.4	20
42	A step to shell biorefineryâ€"Extraction of astaxanthin-rich oil, protein, chitin, and chitosan from shrimp processing waste. Biomass Conversion and Biorefinery, 2023, 13, 205-214.	2.9	18
43	Dietary supplementation of thiamine and pyridoxine-loaded vanillic acid-grafted chitosan microspheres enhances growth performance, metabolic and immune responses in experimental rats. International Journal of Biological Macromolecules, 2017, 104, 1874-1881.	3.6	16
44	Rheological, Physico-chemical, and Surface-Active Properties of Gelatin Extracted from Bigeye Tuna (Thunnus obesus) Skin Waste. Journal of Aquatic Food Product Technology, 2020, 29, 428-444.	0.6	16
45	Preventive Effects of Picrorhiza kurroa on D-Galactosamine-Induced Hepatitis in Rats.. Journal of Clinical Biochemistry and Nutrition, 1998, 25, 87-95.	0.6	16
46	Screening Natural Content of Water-Soluble B Vitamins in Fish: Enzymatic Extraction, HILIC Separation, and Tandem Mass Spectrometric Determination. Journal of AOAC INTERNATIONAL, 2017, 100, 579-585.	0.7	15
47	Supplementation of squalene attenuates experimentally induced myocardial infarction in rats. Food Chemistry, 2007, 105, 1390-1395.	4.2	14
48	Nano-encapsulation of curcumin in fish collagen grafted succinyl chitosan hydrogel accelerates wound healing process in experimental rats. Food Hydrocolloids for Health, 2022, 2, 100061.	1.6	14
49	Effect of <i>Premna Tomentosa</i> on Rat Liver Antioxidant Defense System in Acetaminophen-intoxicated Rats.. Biomedical Research, 1998, 19, 339-342.	0.3	13
50	Protective Effect of Squalene against Isoproterenol-Induced Myocardial Infarction in Rats. Journal of Clinical Biochemistry and Nutrition, 2005, 37, 55-60.	0.6	13
51	Biomodulation of poly (vinyl alcohol)/starch polymers into composite-based hybridised films: physico-chemical, structural and biocompatibility characterization. Journal of Polymer Research, 2021, 28, 1.	1.2	13
52	Dietary supplementation of encapsulated anthocyanin loaded-chitosan nanoparticles attenuates hyperlipidemic aberrations in male Wistar rats. Carbohydrate Polymer Technologies and Applications, 2021, 2, 100051.	1.6	13
53	Evaluation of pepsin derived tilapia fish waste protein hydrolysate as a feed ingredient for silver pompano (Trachinotus blochii) fingerlings: Influence on growth, metabolism, immune and disease resistance. Animal Feed Science and Technology, 2021, 272, 114748.	1.1	12
54	Anti-ulcerogenic potential of anthocyanin-loaded chitosan nanoparticles against alcohol-HCl induced gastric ulcer in rats. Natural Product Research, 2022, 36, 1306-1310.	1.0	12

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55	HEAT PENETRATION CHARACTERISTICS AND QUALITY CHANGES OF INDIAN MACKEREL (<i>RASTRELLIGER) Tj ETQq1 1 0.784314 rgBT /(Engineering, 2009, 32, 893-915.	1.5	11
56	Biocompatibility and histopathological evaluation of chitosan nanoparticles grafted fish gelatin bio-nanocomposite membranes in rats. Iranian Polymer Journal (English Edition), 2021, 30, 953-964.	1.3	10
57	Protective Effect of Squalene on Endogenous Antioxidant Vitamins in Experimentally Induced Myocardial Infarction in Rats. Asian Journal of Biochemistry, 2009, 4, 133-139.	0.5	10
58	Dietary Chitosan Supplementation Ameliorates Isoproterenol-Induced Aberrations in Membrane-Bound ATPases and Mineral Status of Rat Myocardium. Biological Trace Element Research, 2015, 167, 103-109.	1.9	9
59	Screening of effective solvents for obtaining antioxidantâ€rich seaweed extracts using principal component analysis. Journal of Food Processing and Preservation, 2020, 44, e14716.	0.9	9
60	Hepatoprotective effect of Picrorrhiza kurroa on tissue defence system in d-galactosamine-induced hepatitis in rats. FÃ¬toterapÃ¬Ã¢, 1999, 70, 54-57.	1.1	8
61	Medium optimization and characterization of cell culture system from Penaeus vannamei for adaptation of white spot syndrome virus (WSSV). Journal of Virological Methods, 2019, 270, 38-45.	1.0	8
62	Biochemical Studies on the Antiulcer Effect of Glucosamine on Antioxidant Defense Status in Experimentally Induced Peptic Ulcer in Rats. Journal of Clinical Biochemistry and Nutrition, 2005, 37, 61-66.	0.6	8
63	Protective Effect of Squalene on Certain Lysosomal Hydrolases and Free Amino Acids in Isoprenaline-Induced Myocardial Infarction in Rats. International Journal of Pharmacology, 2010, 6, 97-103.	0.1	8
64	Protective Effect of Betaine on Changes in the Levels of Membrane-bound ATPase activity and Mineral Status in Experimentally Induced Myocardial Infarction in Wistar Rats. Biological Trace Element Research, 2009, 131, 278-290.	1.9	7
65	Combined effect of zinc oxide nano particle incorporated chitosan for better antimicrobial activity towards wound healing. Journal of Environmental Biology, 2019, 40, 691-697.	0.2	7
66	Biochemical studies on the hepatoprotective effect of Picrorrhiza kurroa on changes in liver mitochondrial respiration and oxidative phosphorylation in d-galactosamine-induced hepatitis in rats. FÃ¬toterapÃ¬Ã¢, 1999, 70, 548-551.	1.1	6
67	Authentication of Two Bio-Active Fish Oils by Qualitative Lipid Profiling Using Semi-Targeted Approach: An Exploratory Study. Journal of AOAC INTERNATIONAL, 2020, 103, 78-82.	0.7	6
68	In vivo anti-lipidemic and antioxidant potential of collagen peptides obtained from great hammerhead shark skin waste. Journal of Food Science and Technology, 2022, 59, 1140-1151.	1.4	6
69	Synthesis of Biomaterial-Based Hydrogels Reinforced with Cellulose Nanocrystals for Biomedical Applications. International Journal of Polymer Science, 2021, 2021, 1-14.	1.2	6
70	Comparison of Lipid Profile in Three Species of Myctophids from the South West Coast of Kerala, India. The National Academy of Sciences, India, 2014, 37, 33-37.	0.8	5
71	Chitosan:ÂWhey Protein Isolate: An Effective Emulsifier for Stabilization of Squalene Based Emulsions. Waste and Biomass Valorization, 2020, 11, 3477-3483.	1.8	5
72	Antioxidant defense of fish collagen peptides attenuates oxidative stress in gastric mucosa of experimentally ulcer-induced rats. Cell Stress and Chaperones, 2022, 27, 45-54.	1.2	5

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73	Protective effect of betaine on protein, glycoproteins and amino acids in isoprenaline-induced myocardial infarction in albino rats. Biomedicine and Preventive Nutrition, 2014, 4, 403-409.	0.9	4
74	Supplementation of Betaine Attenuates HCl-Ethanol Induced Gastric Ulcer in Rats. International Journal of Biological Chemistry, 2010, 4, 79-89.	0.3	4
75	ANALGESIC AND ANTIâ€INFLAMMATORY ACTIVITIES OF LIVER OILS OF FOUR SHARK SPECIES FROM INDIAN EEZ. Journal of Food Lipids, 2008, 15, 470-487.	0.9	3
76	Tuna Red Meat as a Novel Ingredient in Pet Food for Dogs. Journal of Aquatic Food Product Technology, 2020, 29, 750-759.	0.6	3
77	Antioxidant and hepatoprotective property of squalene for counteracting the oxidative damage induced by methotrex- ate in experimental rats. Acta Biologica Szegediensis, 2021, 64, 199-206.	0.7	3
78	Biochemical Studies on the Protective Effects of Picrorhiza kurroa in Experimentally Induced Hepatitis in Rats.. Journal of Clinical Biochemistry and Nutrition, 2000, 29, 9-17.	0.6	2
79	Sardine oil loaded vanillic acid grafted chitosan microparticles improves the in vivo antioxidant, haematological and lipid profile. Journal of Food Science and Technology, 2022, 59, 3086-3092.	1.4	2