Rangasamy Anandan

List of Publications by Year in Descending Order

78 papers	1,836 citations	25 h-index	41 g-index
79 ext. papers	2,128 ext. citations	3.7 avg, IF	4.6 L-index

#	Paper	IF	Citations
78	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	3.3	2
77	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		2
76	Antioxidant defense of fish collagen peptides attenuates oxidative stress in gastric mucosa of experimentally ulcer-induced rats. *Cell Stress and Chaperones*, **2021**,	4	1
75	Nanoencapsulation in low-molecular-weight chitosan improves in vivo antioxidant potential of black carrot anthocyanin. *Journal of the Science of Food and Agriculture*, **2021**, 101, 5264-5271	4.3	5
74	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	1
73	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	2.7	6
72	Biocompatibility and histopathological evaluation of chitosan nanoparticles grafted fish gelatin bio-nanocomposite membranes in rats. *Iranian Polymer Journal (English Edition)*, **2021**, 30, 953-964	2.3	4
71	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	3	3
70	Synthesis of Biomaterial-Based Hydrogels Reinforced with Cellulose Nanocrystals for Biomedical Applications. *International Journal of Polymer Science*, **2021**, 2021, 1-14	2.4	1
69	Dietary supplementation of encapsulated anthocyanin loaded-chitosan nanoparticles attenuates hyperlipidemic aberrations in male Wistar rats. *Carbohydrate Polymer Technologies and Applications*, **2021**, 2, 100051	1.7	4
68	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	1.8	29
67	Screening of effective solvents for obtaining antioxidant-rich seaweed extracts using principal component analysis. *Journal of Food Processing and Preservation*, **2020**, 44, e14716	2.1	4
66	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	1.7	3
65	Anti-ulcerogenic potential of anthocyanin-loaded chitosan nanoparticles against alcohol-HCl induced gastric ulcer in rats. *Natural Product Research*, **2020**, 1-5	2.3	4
64	A step to shell biorefinery: Extraction of astaxanthin-rich oil, protein, chitin, and chitosan from shrimp processing waste. *Biomass Conversion and Biorefinery*, **2020**, 1	2.3	6
63	Tuna Red Meat as a Novel Ingredient in Pet Food for Dogs. *Journal of Aquatic Food Product Technology*, **2020**, 29, 750-759	1.6	2
62	Chitosan: Whey Protein Isolate: An Effective Emulsifier for Stabilization of Squalene Based Emulsions. *Waste and Biomass Valorization*, **2020**, 11, 3477-3483	3.2	3

61	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	1.6	9
60	Chitosan - Whey protein as efficient delivery system for squalene: Characterization and functional food application. *International Journal of Biological Macromolecules*, **2019**, 135, 855-863	7.9	21
59	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	2.6	2
58	Combined effect of zinc oxide nano particle incorporated chitosan for better antimicrobial activity towards wound healing. *Journal of Environmental Biology*, **2019**, 40, 691-697	1.6	3
57	Nutritional composition of food fishes and their importance in providing food and nutritional security. *Food Chemistry*, **2019**, 293, 561-570	8.5	76
56	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	1.7	12
55	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	7.9	10
54	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	7.9	45
53	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	3.3	13
52	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	2.1	23
51	Development of thiamine and pyridoxine loaded ferulic acid-grafted chitosan microspheres for dietary supplementation. *Journal of Food Science and Technology*, **2016**, 53, 551-560	3.3	22
50	DHA and EPA Content and Fatty Acid Profile of 39 Food Fishes from India. *BioMed Research International*, **2016**, 2016, 4027437	3	43
49	Micronutrient Composition of 35 Food Fishes from India and Their Significance in Human Nutrition. *Biological Trace Element Research*, **2016**, 174, 448-458	4.5	31
48	Dietary Chitosan Supplementation Ameliorates Isoproterenol-Induced Aberrations in Membrane-Bound ATPases and Mineral Status of Rat Myocardium. *Biological Trace Element Research*, **2015**, 167, 103-9	4.5	8
47	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	3.3	44
46	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	0.6	3
45	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		4
44	Biochemical profile of oyster Crassostrea madrasensis and its nutritional attributes. *Egyptian Journal of Aquatic Research*, **2014**, 40, 35-41	3.1	43

43	Amino Acid compositions of 27 food fishes and their importance in clinical nutrition. *Journal of Amino Acids*, **2014**, 2014, 269797		86
42	Antiaging effect of dietary chitosan supplementation on glutathione-dependent antioxidant system in young and aged rats. *Cell Stress and Chaperones*, **2013**, 18, 121-5	4	32
41	Antioxidant Potential of Water Hyacinth (Eichornia crassipes): In Vitro Antioxidant Activity and Phenolic Composition. *Journal of Aquatic Food Product Technology*, **2013**, 22, 11-26	1.6	10
40	Dietary chitosan supplementation attenuates isoprenaline-induced oxidative stress in rat myocardium. *International Journal of Biological Macromolecules*, **2012**, 51, 783-7	7.9	25
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, 271-81	6.8	15
38	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, 641-52	4	33
37	Antioxidant defense of betaine against isoprenaline-induced myocardial infarction in rats. *Molecular Biology Reports*, **2010**, 37, 1319-27	2.8	75
36	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	3.7	4
35	Supplementation of Betaine Attenuates HCl-Ethanol Induced Gastric Ulcer in Rats. *International Journal of Biological Chemistry*, **2010**, 4, 79-89	3	2
34	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, 278-90	4.5	5
33	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, 661-7	4	25
32	HEAT PENETRATION CHARACTERISTICS AND QUALITY CHANGES OF INDIAN MACKEREL (RASTRELLIGER KANAGURTA) CANNED IN BRINE AT DIFFERENT RETORT TEMPERATURES. *Journal of Food Process Engineering*, **2009**, 32, 893-915	2.4	11
31	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, 6990-6	5.7	28
30	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, 1852-63	4.7	28
29	Protective Effect of Squalene on Endogenous Antioxidant Vitamins in Experimentally Induced Myocardial Infarction in Rats. *Asian Journal of Biochemistry*, **2009**, 4, 133-139	0.1	9
28	Physicochemical characterization of muscle proteins from different regions of mackerel (Rastrelliger kanagurta). *Food Chemistry*, **2008**, 106, 451-457	8.5	20
27	ANALGESIC AND ANTI-INFLAMMATORY ACTIVITIES OF LIVER OILS OF FOUR SHARK SPECIES FROM INDIAN EEZ. *Journal of Food Lipids*, **2008**, 15, 470-487		2
26	Supplementation of squalene attenuates experimentally induced myocardial infarction in rats. *Food Chemistry*, **2007**, 105, 1390-1395	8.5	12

25	Protective effect of glucosamine against ibuprofen-induced peptic ulcer in rats. *Journal of Gastroenterology and Hepatology (Australia)*, **2007**, 22, 949-53	4	14
24	Hepatoprotective activity of chitosan against isoniazid and rifampicin-induced toxicity in experimental rats. *European Journal of Pharmacology*, **2007**, 572, 69-73	5.3	58
23	Influence of pH on the solubility and conformational characteristics of muscle proteins from mullet (Mugil cephalus). *Process Biochemistry*, **2007**, 42, 1056-1062	4.8	36
22	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		24
21	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	3.1	24
20	Protective effect of n-3 polyunsaturated fatty acids concentrate on isoproterenol-induced myocardial infarction in rats. *Prostaglandins Leukotrienes and Essential Fatty Acids*, **2007**, 76, 153-8	2.8	35
19	Protective effect of dietary squalene supplementation on mitochondrial function in liver of aged rats. *Prostaglandins Leukotrienes and Essential Fatty Acids*, **2007**, 76, 349-55	2.8	20
18	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, 315-20	3.2	43
17	Cardioprotective effect of squalene on lipid profile in isoprenaline-induced myocardial infarction in rats. *Journal of Medicinal Food*, **2006**, 9, 531-6	2.8	47
16	Distribution of organochlorine pesticides and heavy metal residues in fish and shellfish from Calicut region, Kerala, India. *Chemosphere*, **2006**, 65, 583-90	8.4	114
15	Effect of chitosan supplementation on antitubercular drugs-induced hepatotoxicity in rats. *Toxicology*, **2006**, 219, 53-9	4.4	69
14	Protective effect of taurine on myocardial antioxidant status in isoprenaline-induced myocardial infarction in rats. *Journal of Pharmacy and Pharmacology*, **2005**, 57, 1313-7	4.8	39
13	Protective Effect of Squalene against Isoproterenol-Induced Myocardial Infarction in Rats. *Journal of Clinical Biochemistry and Nutrition*, **2005**, 37, 55-60	3.1	12
12	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	3.1	5
11	Anti-ulcerogenic effect of chitin and chitosan on mucosal antioxidant defence system in HCl-ethanol-induced ulcer in rats. *Journal of Pharmacy and Pharmacology*, **2004**, 56, 265-9	4.8	38
10	Effect of squalene on tissue defense system in isoproterenol-induced myocardial infarction in rats. *Pharmacological Research*, **2004**, 50, 231-6	10.2	180
9	Cardioprotective effects of Picrorrhiza kurroa against isoproterenol-induced myocardial stress in rats. *Fitoterapia*, **2001**, 72, 402-5	3.2	56
8	Protective effect of Hemidesmus indicus against rifampicin and isoniazid-induced hepatotoxicity in rats. *Fitoterapia*, **2000**, 71, 55-9	3.2	41

7	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	3.1	1
6	Hepatoprotective effect of Picrorrhiza kurroa on tissue defence system in d-galactosamine-induced hepatitis in rats. *Fitoterapia*, **1999**, 70, 54-57	3.2	6
5	Protective effects of Picrorrhiza kurroa against HCl/ethanol-induced ulceration in rats. *Fitoterapia*, **1999**, 70, 498-501	3.2	24
4	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. *Fitoterapia*, **1999**, 70, 548-551	3.2	6
3	Effect of Premna Tomentosa on Rat Liver Antioxidant Defense System in Acetaminophen-intoxicated Rats.. *Biomedical Research*, **1998**, 19, 339-342	1.5	13
2	Preventive Effects of Picrorhiza kurroa on D-Galactosamine-Induced Hepatitis in Rats.. *Journal of Clinical Biochemistry and Nutrition*, **1998**, 25, 87-95	3.1	13
1	Sardine oil loaded vanillic acid grafted chitosan microparticles improves the in vivo antioxidant, haematological and lipid profile. *Journal of Food Science and Technology*,1	3.3	