

Ramalingam Chidambaram

List of Publications by Year in descending order

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Version: 2024-02-01

47
papers

3,141
citations

147786

31
h-index

254170

43
g-index

47
all docs

47
docs citations

47
times ranked

3476
citing authors

#	ARTICLE	IF	CITATIONS
1	Nanotechnology in agro-food: From field to plate. Food Research International, 2015, 69, 381-400.	6.2	325
2	Nanomaterials in food and agriculture: An overview on their safety concerns and regulatory issues. Critical Reviews in Food Science and Nutrition, 2018, 58, 297-317.	10.3	269
3	Nanoscience and nanotechnologies in food industries: opportunities and research trends. Journal of Nanoparticle Research, 2014, 16, 1.	1.9	231
4	Electronic waste " an emerging threat to the environment of urban India. Journal of Environmental Health Science & Engineering, 2014, 12, 36.	3.0	198
5	Synthesis and characterization of palladium nanoparticles using Catharanthus roseus leaf extract and its application in the photo-catalytic degradation. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2015, 135, 116-119.	3.9	173
6	Applications of nanotechnology in agriculture and water quality management. Environmental Chemistry Letters, 2017, 15, 591-605.	16.2	168
7	Fabrication of Food Grade Vitamin E Nanoemulsion by Low Energy Approach, Characterization and Its Application. International Journal of Food Properties, 2016, 19, 700-708.	3.0	138
8	Nano-zirconia " Evaluation of its antioxidant and anticancer activity. Journal of Photochemistry and Photobiology B: Biology, 2017, 170, 125-133.	3.8	115
9	Fish oil based vitamin D nanoencapsulation by ultrasonication and bioaccessibility analysis in simulated gastro-intestinal tract. Ultrasonics Sonochemistry, 2017, 39, 623-635.	8.2	112
10	Titanium dioxide nanoparticles induce bacterial membrane rupture by reactive oxygen species generation. Environmental Chemistry Letters, 2016, 14, 487-494.	16.2	92
11	Application of rice husk nanosorbents containing 2,4-dichlorophenoxyacetic acid herbicide to control weeds and reduce leaching from soil. Journal of the Taiwan Institute of Chemical Engineers, 2016, 63, 318-326.	5.3	76
12	Biosorption of Cr(VI) by Ceratocystis paradoxa MSR2 Using Isotherm Modelling, Kinetic Study and Optimization of Batch Parameters Using Response Surface Methodology. PLoS ONE, 2015, 10, e0118999.	2.5	73
13	Thermal co-reduction approach to vary size of silver nanoparticle: its microbial and cellular toxicology. Environmental Science and Pollution Research, 2016, 23, 4149-4163.	5.3	73
14	Hexavalent chromium biosorption studies using Penicillium griseofulvum MSR1 a novel isolate from tannery effluent site: Box "Behnken optimization, equilibrium, kinetics and thermodynamic studies. Journal of the Taiwan Institute of Chemical Engineers, 2015, 49, 156-164.	5.3	66
15	Addressing the environmental impacts of butachlor and the available remediation strategies: a systematic review. International Journal of Environmental Science and Technology, 2015, 12, 4025-4036.	3.5	64
16	Silver nanoparticle antimicrobial activity explained by membrane rupture and reactive oxygen generation. Environmental Chemistry Letters, 2016, 14, 477-485.	16.2	64
17	Bovine serum albumin interacts with silver nanoparticles with a "side-on" or "end on" conformation. Chemico-Biological Interactions, 2016, 253, 100-111.	4.0	63
18	Sulfated polysaccharides and its commercial applications in food industries "A review. Journal of Food Science and Technology, 2021, 58, 2453-2466.	2.8	61

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19	Extraction optimization of pectin from cocoa pod husks (<i>Theobroma cacao</i> L.) with ascorbic acid using response surface methodology. <i>Carbohydrate Polymers</i> , 2018, 202, 497-503.	10.2	60
20	A spectroscopic study on interaction between bovine serum albumin and titanium dioxide nanoparticle synthesized from microwave-assisted hybrid chemical approach. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2016, 161, 472-481.	3.8	58
21	Formulation of vitamin D encapsulated cinnamon oil nanoemulsion: Its potential anti-cancerous activity in human alveolar carcinoma cells. <i>Colloids and Surfaces B: Biointerfaces</i> , 2018, 166, 349-357.	5.0	51
22	Microwave-irradiation-assisted hybrid chemical approach for titanium dioxide nanoparticle synthesis: microbial and cytotoxicological evaluation. <i>Environmental Science and Pollution Research</i> , 2016, 23, 12287-12302.	5.3	44
23	Rice husk as a low cost nanosorbent for 2,4-dichlorophenoxyacetic acid removal from aqueous solutions. <i>Ecological Engineering</i> , 2016, 92, 97-105.	3.6	43
24	Food-grade aerogels obtained from polysaccharides, proteins, and seed mucilages: Role as a carrier matrix of functional food ingredients. <i>Trends in Food Science and Technology</i> , 2021, 112, 455-470.	15.1	43
25	Isotherm Modelling, Kinetic Study and Optimization of Batch Parameters Using Response Surface Methodology for Effective Removal of Cr(VI) Using Fungal Biomass. <i>PLoS ONE</i> , 2015, 10, e0116884.	2.5	42
26	Food and food products associated with food allergy and food intolerance – An overview. <i>Food Research International</i> , 2020, 138, 109780.	6.2	39
27	A Novel Approach to Evaluate Titanium Dioxide Nanoparticle-Protein Interaction Through Docking: An Insight into Mechanism of Action. <i>Proceedings of the National Academy of Sciences India Section B - Biological Sciences</i> , 2017, 87, 937-943.	1.0	38
28	Clean approach for chromium removal in aqueous environments and role of nanomaterials in bioremediation: Present research and future perspective. <i>Chemosphere</i> , 2021, 284, 131368.	8.2	37
29	Control of size and antimicrobial activity of green synthesized silver nanoparticles. <i>Materials Letters</i> , 2016, 185, 526-529.	2.6	36
30	Assessment on the antibacterial activity of nanosized silica derived from hypercoordinated silicon precursors. <i>RSC Advances</i> , 2016, 6, 66394-66406.	3.6	35
31	Hybrid hydrogel dispersed low fat and heat resistant chocolate. <i>Journal of Food Engineering</i> , 2019, 256, 9-17.	5.2	35
32	Microwave Blanching: An Emerging Trend in Food Engineering and its Effects on <i>Capsicum annum</i> L. <i>Journal of Food Process Engineering</i> , 2017, 40, e12411.	2.9	29
33	Advances in formulation for the production of low-fat, fat-free, low-sugar, and sugar-free chocolates: An overview of the past decade. <i>Trends in Food Science and Technology</i> , 2021, 113, 315-334.	15.1	27
34	A Statistical Approach for Biogenic Synthesis of Nano-Silica from Different Agro-Wastes. <i>Silicon</i> , 2021, 13, 2089-2101.	3.3	23
35	Titanium dioxide nanoparticle-protein interaction explained by docking approach. <i>International Journal of Nanomedicine</i> , 2018, Volume 13, 47-50.	6.7	22
36	Acetylcholinesterase with mesoporous silica: Covalent immobilization, physicochemical characterization, and its application in food for pesticide detection. <i>Journal of Cellular Biochemistry</i> , 2019, 120, 10777-10786.	2.6	22

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37	Pesticide tolerant and phosphorus solubilizing <i>Pseudomonas</i> sp. strain SGRAJ09 isolated from pesticides treated <i>Achillea clavennae</i> rhizosphere soil. <i>Ecotoxicology</i> , 2013, 22, 707-717.	2.4	21
38	Stratagems employed for 2,4-dichlorophenoxyacetic acid removal from polluted water sources. <i>Clean Technologies and Environmental Policy</i> , 2017, 19, 1607-1620.	4.1	21
39	<i>Catharanthus roseus</i>-Mediated Zinc Oxide Nanoparticles against Photocatalytic Application of Phenol Red under UV@365 nm. <i>Current Science</i> , 2016, 111, 1811.	0.8	16
40	Nanotechnology in Herbicide Resistance. , 2017, , .		13
41	Bioaerogels as food materials: A state-of-the-art on production and application in micronutrient fortification and active packaging of foods. <i>Food Hydrocolloids</i> , 2022, 131, 107760.	10.7	11
42	Blood coagulating effect of marigold (<i>Tagetes erecta</i> L.) leaf and its bioactive compounds. <i>Oriental Pharmacy and Experimental Medicine</i> , 2016, 16, 67-75.	1.2	8
43	A simple, one-pot oxidative esterification of aryl aldehydes through dialkyl acetal using hydrogen peroxide. <i>Research on Chemical Intermediates</i> , 2016, 42, 5849-5858.	2.7	2
44	Low calorie cocoa-based products: a short review. <i>Journal of Food Science and Technology</i> , 2022, 59, 2931-2939.	2.8	2
45	Infant Milk Formulas. , 2020, , 3-34.		2
46	IN VITRO ANALYSIS OF ORNITHINE DECARBOXYLASE INHIBITORY ACTIVITY OF THE EXTRACTS OF EXCOECARIA AGALLOCHA L.. <i>Asian Journal of Pharmaceutical and Clinical Research</i> , 2017, 10, 325.	0.3	0
47	Study on Phytochemicals, Functional Groups and Minerals in <i>Asparagus racemosus</i> Root. <i>Asian Journal of Chemistry</i> , 2019, 31, 1546-1548.	0.3	0