

Ramalingam Chidambaram

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

46
papers

2,286
citations

26
h-index

47
g-index

47
ext. papers

2,652
ext. citations

5.6
avg, IF

5.74
L-index

#	Paper	IF	Citations
46	Nanotechnology in agro-food: From field to plate. <i>Food Research International</i> , 2015 , 69, 381-400	7	270
45	Nanomaterials in food and agriculture: An overview on their safety concerns and regulatory issues. <i>Critical Reviews in Food Science and Nutrition</i> , 2018 , 58, 297-317	11.5	202
44	Nanoscience and nanotechnologies in food industries: opportunities and research trends. <i>Journal of Nanoparticle Research</i> , 2014 , 16, 1	2.3	191
43	Synthesis and characterization of palladium nanoparticles using <i>Catharanthus roseus</i> leaf extract and its application in the photo-catalytic degradation. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2015 , 135, 116-9	4.4	144
42	Electronic waste - an emerging threat to the environment of urban India. <i>Journal of Environmental Health Science & Engineering</i> , 2014 , 12, 36	2.9	129
41	Applications of nanotechnology in agriculture and water quality management. <i>Environmental Chemistry Letters</i> , 2017 , 15, 591-605	13.3	123
40	Fabrication of Food Grade Vitamin E Nanoemulsion by Low Energy Approach, Characterization and Its Application. <i>International Journal of Food Properties</i> , 2016 , 19, 700-708	3	119
39	Fish oil based vitamin D nanoencapsulation by ultrasonication and bioaccessibility analysis in simulated gastro-intestinal tract. <i>Ultrasonics Sonochemistry</i> , 2017 , 39, 623-635	8.9	87
38	Titanium dioxide nanoparticles induce bacterial membrane rupture by reactive oxygen species generation. <i>Environmental Chemistry Letters</i> , 2016 , 14, 487-494	13.3	69
37	Nano-zirconia - Evaluation of its antioxidant and anticancer activity. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2017 , 170, 125-133	6.7	68
36	Biosorption of Cr(VI) by <i>Ceratocystis paradoxa</i> MSR2 using isotherm modelling, kinetic study and optimization of batch parameters using response surface methodology. <i>PLoS ONE</i> , 2015 , 10, e0118999	3.7	66
35	Thermal co-reduction approach to vary size of silver nanoparticle: its microbial and cellular toxicology. <i>Environmental Science and Pollution Research</i> , 2016 , 23, 4149-63	5.1	65
34	Application of rice husk nanosorbents containing 2,4-dichlorophenoxyacetic acid herbicide to control weeds and reduce leaching from soil. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2016 , 63, 318-326	5.3	58
33	Hexavalent chromium biosorption studies using <i>Penicillium griseofulvum</i> MSR1 a novel isolate from tannery effluent site: Box-Behnken optimization, equilibrium, kinetics and thermodynamic studies. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2015 , 49, 156-164	5.3	56
32	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, 472-81	6.7	48
31	Addressing the environmental impacts of butachlor and the available remediation strategies: a systematic review. <i>International Journal of Environmental Science and Technology</i> , 2015 , 12, 4025-4036	3.3	47
30	Bovine serum albumin interacts with silver nanoparticles with a "side-on" or "end on" conformation. <i>Chemico-Biological Interactions</i> , 2016 , 253, 100-11	5	44

29	Silver nanoparticle antimicrobial activity explained by membrane rupture and reactive oxygen generation. <i>Environmental Chemistry Letters</i> , 2016 , 14, 477-485	13.3	44
28	Microwave-irradiation-assisted hybrid chemical approach for titanium dioxide nanoparticle synthesis: microbial and cytotoxicological evaluation. <i>Environmental Science and Pollution Research</i> , 2016 , 23, 12287-302	5.1	39
27	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	6	36
26	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	10.3	33
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	3.7	32
24	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	1.4	31
23	Assessment on the antibacterial activity of nanosized silica derived from hypercoordinated silicon(IV) precursors. <i>RSC Advances</i> , 2016 , 6, 66394-66406	3.7	31
22	Control of size and antimicrobial activity of green synthesized silver nanoparticles. <i>Materials Letters</i> , 2016 , 185, 526-529	3.3	29
21	Rice husk as a low cost nanosorbent for 2,4-dichlorophenoxyacetic acid removal from aqueous solutions. <i>Ecological Engineering</i> , 2016 , 92, 97-105	3.9	29
20	Sulfated polysaccharides and its commercial applications in food industries-A review. <i>Journal of Food Science and Technology</i> , 2021 , 58, 2453-2466	3.3	22
19	Hybrid hydrogel dispersed low fat and heat resistant chocolate. <i>Journal of Food Engineering</i> , 2019 , 256, 9-17	6	19
18	Microwave Blanching: An Emerging Trend in Food Engineering and its Effects on <i>Capsicum annuum</i> L. <i>Journal of Food Process Engineering</i> , 2017 , 40, e12411	2.4	18
17	Stratagems employed for 2,4-dichlorophenoxyacetic acid removal from polluted water sources. <i>Clean Technologies and Environmental Policy</i> , 2017 , 19, 1607-1620	4.3	18
16	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, 707-17	2.9	16
15	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	15.3	15
14	Titanium dioxide nanoparticle-protein interaction explained by docking approach. <i>International Journal of Nanomedicine</i> , 2018 , 13, 47-50	7.3	13
13	<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	2.2	13
12	Acetylcholinesterase with mesoporous silica: Covalent immobilization, physiochemical characterization, and its application in food for pesticide detection. <i>Journal of Cellular Biochemistry</i> , 2019 , 120, 10777-10786	4.7	12

11	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	8.4	11
10	Nanotechnology in Herbicide Resistance 2017 ,		9
9	Food and food products associated with food allergy and food intolerance - An overview. <i>Food Research International</i> , 2020 , 138, 109780	7	9
8	A Statistical Approach for Biogenic Synthesis of Nano-Silica from Different Agro-Wastes. <i>Silicon</i> , 2021 , 13, 2089-2101	2.4	8
7	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	2	5
6	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	15.3	4
5	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	2.8	2
4	Infant Milk Formulas 2020 , 3-34		2
3	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	10.6	0
2	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	0.4	
1	Low calorie cocoa-based products: a short review. <i>Journal of Food Science and Technology</i> ,1	3.3	