

Kantha Deivi Arunachalam

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/243932/publications.pdf>

Version: 2024-02-01

57
papers

2,207
citations

331670

21
h-index

223800

46
g-index

60
all docs

60
docs citations

60
times ranked

2983
citing authors

#	ARTICLE	IF	CITATIONS
1	Feasibility of ZrSiO ₄ as reference signature in naturally-occurring radioactive elements for the application of radioactivity monitoring. <i>Chemosphere</i> , 2022, 286, 131942.	8.2	1
2	Synthesis and characterization of polyphenols functionalized graphitic hematite nanocomposite adsorbent from an agro waste and its application for removal of Cs from aqueous solution. <i>Chemosphere</i> , 2022, 286, 131493.	8.2	10
3	Potential health risk caused by heavy metal associated with seafood consumption around coastal area. <i>Environmental Pollution</i> , 2022, 294, 118553.	7.5	25
4	Optimization of hydrogen enrichment via palladium membrane in vacuum environments using Taguchi method and normalized regression analysis. <i>International Journal of Hydrogen Energy</i> , 2022, 47, 42280-42292.	7.1	2
5	Pilot-scale study on downdraft gasification of municipal solid waste with mass and energy balance analysis. <i>Fuel</i> , 2022, 315, 123287.	6.4	14
6	Protective effect of <i>Gymnema sylvestre</i> leaf extract against uranium toxicity in human peripheral blood mononuclear cells. <i>Journal of King Saud University - Science</i> , 2022, 34, 101895.	3.5	2
7	Fabrication, characterization and in vitro evaluation of <i>Melia dubia</i> extract infused nanofibers for wound dressing. <i>Journal of King Saud University - Science</i> , 2022, 34, 101931.	3.5	9
8	Experimental investigations on sugarcane bagasse pyrolytic oil production from flash pyrolysis using a rotary screw reactor. <i>Biofuels, Bioproducts and Biorefining</i> , 2022, 16, 576-586.	3.7	3
9	Current technologies of biochemical conversion of food waste into biogas production: A review. <i>Fuel</i> , 2022, 323, 124321.	6.4	21
10	Structural and physico-mechanical investigations of Na ₂ O ₇ geopolymers for ¹³⁷ I-radiation attenuating applications. <i>Ceramics International</i> , 2022, 48, 29359-29365.	4.8	2
11	Characterization, antibacterial and photocatalytic evaluation of green synthesized copper oxide nanoparticles. <i>Biocatalysis and Agricultural Biotechnology</i> , 2021, 31, 101904.	3.1	46
12	Core-Shell Structured Antimicrobial Nanofiber Dressings Containing Herbal Extract and Antibiotics Combination for the Prevention of Biofilms and Promotion of Cutaneous Wound Healing. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 24356-24369.	8.0	61
13	Uranium induces genomic instability and slows cell cycle progression in human lymphocytes in acute toxicity study. <i>Toxicology in Vitro</i> , 2021, 73, 105149.	2.4	11
14	Effects of radiation and role of plants in radioprotection: A critical review. <i>Science of the Total Environment</i> , 2021, 779, 146431.	8.0	30
15	Synthesis and characterization of magnetite carbon nanocomposite from agro waste as chromium adsorbent for effluent treatment. <i>Environmental Research</i> , 2021, 202, 111669.	7.5	15
16	Copper oxide nanoparticles infused electrospun polycaprolactone/gelatin scaffold as an antibacterial wound dressing. <i>Materials Letters</i> , 2021, 294, 129787.	2.6	34
17	Kaempferol loaded albumin nanoparticles and dexamethasone encapsulation into electrospun polycaprolactone fibrous mat for concurrent release for cartilage regeneration. <i>Journal of Drug Delivery Science and Technology</i> , 2021, 64, 102666.	3.0	10
18	Comparison of characteristics and biocompatibility of green synthesized iron oxide nanoparticles with chemical synthesized nanoparticles. <i>Environmental Research</i> , 2021, 201, 111585.	7.5	42

#	ARTICLE	IF	CITATIONS
19	Effect of gamma sterilization on <i>Gymnema sylvestre</i> leaf extract fused Polycaprolactone nanofiber for effective wound dressing applications. <i>Materials Letters</i> , 2021, 300, 130145.	2.6	7
20	Pulverization and characterization of nano borax decahydrate and shielding efficiency of gamma and neutron radiation in bio-caulk enriched high-performance concrete. <i>Materials Letters</i> , 2021, 302, 130400.	2.6	5
21	Assessment of seasonal variation in distribution and abundance of plankton and ichthyofaunal diversity in relation to environmental indices of Karankadu Mangrove, South East Coast of India. <i>Marine Pollution Bulletin</i> , 2021, 173, 113142.	5.0	5
22	Effects of Azomite enriched diet on gonadal steroid hormone levels and milt quality indices in <i>Oreochromis mossambicus</i> . <i>Aquaculture Reports</i> , 2020, 17, 100341.	1.7	4
23	Earthworms and vermicompost: an eco-friendly approach for repaying nature's debt. <i>Environmental Geochemistry and Health</i> , 2020, 42, 1617-1642.	3.4	69
24	Single step pulverization effect of Borax decahydrate and Boric acid—a comparison. <i>Materials Research Express</i> , 2019, 6, 094009.	1.6	3
25	Green synthesis, characterization and antibacterial evaluation of electrospun nickel oxide nanofibers. <i>Materials Letters</i> , 2019, 256, 126616.	2.6	34
26	Baseline measurements of ²¹⁰ Po and ²¹⁰ Pb in the seafood of Kasimedu fishing harbour, Chennai, South East Coast of India and related dose to population. <i>Environmental Chemistry and Ecotoxicology</i> , 2019, 1, 43-48.	9.1	17
27	Poly- μ -Caprolactone/Gelatin Hybrid Electrospun Composite Nanofibrous Mats Containing Ultrasound Assisted Herbal Extract: Antimicrobial and Cell Proliferation Study. <i>Nanomaterials</i> , 2019, 9, 462.	4.1	58
28	Antimicrobial properties and biocompatibility of electrospun poly- μ -caprolactone fibrous mats containing <i>Gymnema sylvestre</i> leaf extract. <i>Materials Science and Engineering C</i> , 2019, 98, 503-514.	7.3	58
29	Radio-protective dosimetry of <i>Pangasius sutchi</i> as a biomarker, against gamma radiation dosages perceived by genotoxic assays. <i>Ecotoxicology and Environmental Safety</i> , 2018, 164, 629-640.	6.0	9
30	Uranium (²³⁸ U)-induced ROS and cell cycle perturbations, antioxidant responses and erythrocyte nuclear abnormalities in the freshwater iridescent shark fish <i>Pangasius sutchi</i> . <i>Aquatic Toxicology</i> , 2017, 186, 145-158.	4.0	27
31	Natural radionuclide dose and lifetime cancer risk due to ingestion of fish and water from fresh water reservoirs near the proposed uranium mining site. <i>Environmental Science and Pollution Research</i> , 2017, 24, 15427-15443.	5.3	9
32	Uranium (²³⁸ U) bioaccumulation and its persuaded alterations on hematological, serological and histological parameters in freshwater fish <i>Pangasius sutchi</i> . <i>Environmental Toxicology and Pharmacology</i> , 2017, 52, 262-275.	4.0	6
33	Simulation Model for Feasibility Studies on Bioremediation of Uranium Mill Tailings using Hyper Accumulator & <i>Chrysopogon zizanioides</i> . <i>American Journal of Environmental Sciences</i> , 2016, 12, 370-378.	0.5	0
34	Potential anticancer properties of bioactive compounds of <i>Gymnema sylvestre</i> and its biofunctionalized silver nanoparticles. <i>International Journal of Nanomedicine</i> , 2015, 10, 31.	6.7	93
35	SPATIAL AND MULTIVARIATE ANALYSIS OF TRACE ELEMENTS IN THE SURFACE WATER AND DEEP SEDIMENTS OF FRESH WATER AQUATIC ECOSYSTEM. <i>American Journal of Environmental Sciences</i> , 2014, 10, 102-122.	0.5	6
36	In vivo anti-ulcer, anti-stress, anti-allergic, and functional properties of Gymnemic Acid Isolated from <i>Gymnema sylvestre</i> R Br. <i>BMC Complementary and Alternative Medicine</i> , 2014, 14, 70.	3.7	22

#	ARTICLE	IF	CITATIONS
37	Ingestion of Polonium (²¹⁰ Po) via dietary sources in high background radiation areas of south India. International Journal of Radiation Biology, 2014, 90, 867-875.	1.8	15
38	Tissue engineered plant extracts as nanofibrous wound dressing. Biomaterials, 2013, 34, 724-734.	11.4	216
39	Genotoxicity Evaluation of 1,2 Dichlorobenzene in the Indian Major Carp, Catla catla L. Using Alkaline Comet Assay. Bulletin of Environmental Contamination and Toxicology, 2013, 91, 616-622.	2.7	3
40	One-step green synthesis and characterization of leaf extract-mediated biocompatible silver and gold nanoparticles from Memecylon umbellatum. International Journal of Nanomedicine, 2013, 8, 1307.	6.7	165
41	<i>IN-VIVO</i> EVALUATION OF HEXAVALENT CHROMIUM INDUCED DNA DAMAGE BY ALKALINE COMET ASSAY AND OXIDATIVE STRESS IN <i>CATLA CATLA</i>. American Journal of Environmental Sciences, 2013, 9, 470-482.	0.5	22
42	Chrysopogon zizanioides aqueous extract mediated synthesis characterization of crystalline silver and gold nanoparticles for biomedical applications. International Journal of Nanomedicine, 2013, 8, 2375.	6.7	59
43	Nanoscale Analysis of Surface Topography and Adhesion Force Measurements of Flagella Isolated from Chlamydomonas reinhardtii. Journal of Advanced Microscopy Research, 2013, 8, 163-170.	0.3	2
44	Production and characterization of Bio Caulk by Bacillus pasteurii and its remediation properties with carbon nano tubes on concrete fractures and fissures. Materials Research Bulletin, 2012, 47, 3362-3368.	5.2	25
45	Memecylon edule leaf extract mediated green synthesis of silver and gold nanoparticles. International Journal of Nanomedicine, 2011, 6, 1265.	6.7	279
46	Anti-genotoxic potential of casein phosphopeptides (CPPs): a class of fermented milk peptides against low background radiation and prevention of cancer in radiation workers. Toxicology and Industrial Health, 2011, 27, 867-872.	1.4	7
47	Ultrafine dispersed CuO nanoparticles and their antibacterial activity. Journal of Experimental Nanoscience, 2008, 3, 185-193.	2.4	186
48	Evaluation of in vitro antibacterial property of seaweeds of southeast coast of India. African Journal of Biotechnology, 2008, 7, 1958-1961.	0.6	88
49	In vitro Antibacterial Activity of Tuber Extracts of Zhenaria scabra. Journal of Plant Sciences, 2008, 3, 224-229.	0.2	0
50	Enhancement of natural immune function by dietary consumption of Bifidobacterium lactis (HN019). European Journal of Clinical Nutrition, 2000, 54, 263-267.	2.9	261
51	Role of Bifidobacteria in nutrition, medicine and technology. Nutrition Research, 1999, 19, 1559-1597.	2.9	86
52	Effect of halothane on the growth of microbial species isolated from a peat biofilter. Ecological Engineering, 1996, 7, 151-155.	3.6	0
53	Decomposition of ¹⁴ C-labelled carbofuran in a black tropical soil under laboratory conditions. Soil Biology and Biochemistry, 1990, 22, 407-412.	8.8	3
54	Microbial uptake and accumulation of (¹⁴ C carbofuran) 1,3-dihydro-2,2-dimethyl-7 benzofuranylmethyl carbamate in twenty fungal strains isolated by miniecosystem studies. Bulletin of Environmental Contamination and Toxicology, 1988, 41, 127-134.	2.7	3

#	ARTICLE	IF	CITATIONS
55	Isolation and characterization of pepsin from polar cod (<i>Boreogadus saida</i>). <i>Comparative Biochemistry and Physiology Part B: Comparative Biochemistry</i> , 1985, 80, 467-473.	0.2	15
56	Translocation, accumulation and persistence of carbofuran in paddy, ground nut, and cotton. <i>Bulletin of Environmental Contamination and Toxicology</i> , 1982, 28, 230-238.	2.7	2
57	Environmental and anthropogenic impact on conservation and sustainability of marine fish diversity. <i>Environmental Science and Pollution Research</i> , 0, , .	5.3	0