

Diane Purchase

List of Publications by Year in Descending Order

Source: <https://exaly.com/author-pdf/1471591/diane-purchase-publications-by-year.pdf>

Version: 2024-04-27

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

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

55
papers

1,051
citations

19
h-index

31
g-index

64
ext. papers

1,414
ext. citations

4.8
avg, IF

5.26
L-index

#	Paper	IF	Citations
55	Plant growth promoting strain <i>Bacillus cereus</i> (RCS-4 MZ520573.1) enhances phytoremediation potential of <i>Cynodon dactylon</i> L. in distillery sludge.. <i>Environmental Research</i> , 2022 , 112709	7.9	2
54	Unraveling the secrets of rhizobacteria signaling in rhizosphere. <i>Rhizosphere</i> , 2022 , 21, 100484	3.5	1
53	Characterization of persistent organic pollutants and culturable and non-culturable bacterial communities in pulp and paper sludge after secondary treatment.. <i>Chemosphere</i> , 2022 , 295, 133892	8.4	0
52	Quorum sensing - a promising tool for degradation of industrial waste containing persistent organic pollutants. <i>Environmental Pollution</i> , 2022 , 292, 118342	9.3	4
51	Microbial community dynamics and their relationships with organic and metal pollutants of sugarcane molasses-based distillery wastewater sludge. <i>Environmental Pollution</i> , 2022 , 292, 118267	9.3	3
50	Characterization of industrially pre-treated waste printed circuit boards for the potential recovery of rare earth elements. <i>Environmental Technology and Innovation</i> , 2022 , 27, 102481	7	0
49	Mitigation of hazards and risks of emerging pollutants through innovative treatment techniques of post methanated distillery effluent - A review.. <i>Chemosphere</i> , 2022 , 134586	8.4	0
48	A critical review of household recycling barriers in the United Kingdom. <i>Waste Management and Research</i> , 2021 , 734242X211060619	4	3
47	Ecotoxicological and health concerns of persistent coloring pollutants of textile industry wastewater and treatment approaches for environmental safety. <i>Journal of Environmental Chemical Engineering</i> , 2021 , 9, 105012	6.8	108
46	Environment friendly degradation and detoxification of Congo red dye and textile industry wastewater by a newly isolated <i>Bacillus cohnii</i> (RKS9). <i>Environmental Technology and Innovation</i> , 2021 , 22, 101425	7	22
45	Translocation of heavy metals in medicinally important herbal plants growing on complex organometallic sludge of sugarcane molasses-based distillery waste. <i>Environmental Technology and Innovation</i> , 2021 , 22, 101434	7	24
44	Electrokinetic biocementation of an organic soil. <i>Sustainable Chemistry and Pharmacy</i> , 2021 , 21, 100405	3.9	2
43	Degradation mechanism of tris(2-chloroethyl) phosphate (TCEP) as an emerging contaminant in advanced oxidation processes: A DFT modelling approach. <i>Chemosphere</i> , 2021 , 273, 129674	8.4	4
42	Innovative methods of ground improvement for railway embankment peat fens foundation soil. <i>Geotechnique</i> , 2021 , 1-14	3.4	4
41	Residual pollutants in treated pulp paper mill wastewater and their phytotoxicity and cytotoxicity in <i>Allium cepa</i> . <i>Environmental Geochemistry and Health</i> , 2021 , 43, 2143-2164	4.7	23
40	Molecular techniques used to identify perfluorooctanoic acid degrading microbes and their application in a wastewater treatment reactor/plant 2021 , 253-271		
39	Biodegradation of organo-metallic pollutants in distillery wastewater employing a bioaugmentation process. <i>Environmental Technology and Innovation</i> , 2021 , 23, 101774	7	11

38	Integrating phytoremediation into treatment of pulp and paper industry wastewater: Field observations of native plants for the detoxification of metals and their potential as part of a multidisciplinary strategy. <i>Journal of Environmental Chemical Engineering</i> , 2021 , 9, 105547	6.8	23
37	Distillery wastewater detoxification and management through phytoremediation employing <i>Ricinus communis</i> L. <i>Bioresource Technology</i> , 2021 , 333, 125192	11	19
36	Antibiotic-Resistant Genes and Bacteria as Evolving Contaminants of Emerging Concerns (e-CEC): Is It Time to Include Evolution in Risk Assessment?. <i>Antibiotics</i> , 2021 , 10,	4.9	3
35	Degradation mechanism and toxicity reduction of methyl orange dye by a newly isolated bacterium <i>Pseudomonas aeruginosa</i> MZ520730. <i>Journal of Water Process Engineering</i> , 2021 , 43, 102300	6.7	5
34	Educational Activities for Students and Citizens Supporting the One-Health Approach on Antimicrobial Resistance.. <i>Antibiotics</i> , 2021 , 10,	4.9	2
33	Phytoremediation of Heavy Metal-Contaminated Sites: Eco-environmental Concerns, Field Studies, Sustainability Issues, and Future Prospects. <i>Reviews of Environmental Contamination and Toxicology</i> , 2020 , 249, 71-131	3.5	72
32	Exploitation of nitric oxide donors to control bacterial adhesion on ready-to-eat vegetables and dispersal of pathogenic biofilm from polypropylene. <i>Journal of the Science of Food and Agriculture</i> , 2020 , 100, 3078-3086	4.3	1
31	Global occurrence, chemical properties, and ecological impacts of e-wastes (IUPAC Technical Report). <i>Pure and Applied Chemistry</i> , 2020 , 92, 1733-1767	2.1	15
30	Implementation of biocementation for a partially saturated problematic soil of the UK railway network. <i>E3S Web of Conferences</i> , 2020 , 195, 05006	0.5	
29	Environmental and Health Hazards of Textile Industry Wastewater Pollutants and Its Treatment Approaches 2020 , 1-24		2
28	Phytoremediation Using Native Plants. <i>Concepts and Strategies in Plant Sciences</i> , 2020 , 285-327	0.5	3
27	Degradation and detoxification of leather tannery effluent by a newly developed bacterial consortium GS-TE1310 for environmental safety. <i>Journal of Water Process Engineering</i> , 2020 , 38, 101592	6.7	13
26	Environmental Hazards and Toxicity Profile of Organic and Inorganic Pollutants of Tannery Wastewater and Bioremediation Approaches 2020 , 381-398		7
25	Phytotoxicity, cytotoxicity and genotoxicity evaluation of organic and inorganic pollutants rich tannery wastewater from a Common Effluent Treatment Plant (CETP) in Unnao district, India using <i>Vigna radiata</i> and <i>Allium cepa</i> . <i>Chemosphere</i> , 2019 , 224, 324-332	8.4	66
24	<i>Acidomyces acidophilus</i> : Ecology, Biochemical Properties and Application to Bioremediation 2019 , 505-515		2
23	Levels of Awareness and Concentrations of Heavy Metals in the Blood of Electronic Waste Scavengers in Nigeria. <i>Journal of Health and Pollution</i> , 2019 , 9, 190311	2.6	6
22	Isolation and characterization of lignin-degrading bacterium from pulp and paper mill wastewater and evaluation of its lignin-degrading potential. <i>3 Biotech</i> , 2019 , 9, 92	2.8	31
21	Applications of Metagenomics in Microbial Bioremediation of Pollutants 2019 , 459-477		57

20	Competition of As and other Group 15 elements for surface binding sites of an extremophilic <i>Acidomyces acidophilus</i> isolated from a historical tin mining site. <i>Extremophiles</i> , 2018 , 22, 795-809	3	8
19	Heavy metals distribution and risk assessment in soil from an informal E-waste recycling site in Lagos State, Nigeria. <i>Environmental Science and Pollution Research</i> , 2017 , 24, 17206-17219	5.1	31
18	Fungal Applications in Sustainable Environmental Biotechnology. <i>Fungal Biology</i> , 2016 ,	2.3	6
17	Mycoremediation of Heavy Metal/Metalloid-Contaminated Soil: Current Understanding and Future Prospects. <i>Fungal Biology</i> , 2016 , 249-272	2.3	4
16	Application of Microalgae and Fungal-Microalgal Associations for Wastewater Treatment. <i>Fungal Biology</i> , 2016 , 143-181	2.3	5
15	The mechanisms of detoxification of As(III), dimethylarsinic acid (DMA) and As(V) in the microalga <i>Chlorella vulgaris</i> . <i>Aquatic Toxicology</i> , 2016 , 175, 56-72	5.1	14
14	Consideration of the bioavailability of metal/metalloid species in freshwaters: experiences regarding the implementation of biotic ligand model-based approaches in risk assessment frameworks. <i>Environmental Science and Pollution Research</i> , 2015 , 22, 7405-21	5.1	46
13	Enhanced determination of As β phytochelatin complexes in <i>Chlorella vulgaris</i> using focused sonication for extraction of water-soluble species. <i>Analytical Methods</i> , 2014 , 6, 791-797	3.2	14
12	Enzymatic formulation capable of degrading scrapie prion under mild digestion conditions. <i>PLoS ONE</i> , 2013 , 8, e68099	3.7	17
11	Identification and characterisation of a <i>Bacillus licheniformis</i> strain with profound keratinase activity for degradation of melanised feather. <i>International Biodeterioration and Biodegradation</i> , 2012 , 74, 54-60	4.8	34
10	Mathematical models to predict soil heavy metal toxicity in the 2012 Olympic site. <i>International Journal of Environmental Science and Technology</i> , 2012 , 9, 219-226	3.3	
9	Effects of arsenate (AS $^{5+}$) on growth and production of glutathione (GSH) and phytochelatin (PCS) in <i>Chlorella vulgaris</i> . <i>International Journal of Phytoremediation</i> , 2011 , 13, 834-44	3.9	38
8	Effects of temperature on metal tolerance and the accumulation of Zn and Pb by metal-tolerant fungi isolated from urban runoff treatment wetlands. <i>Journal of Applied Microbiology</i> , 2009 , 106, 1163-74	4.7	44
7	Effectiveness of domestic antibacterial products in decontaminating food contact surfaces. <i>Food Microbiology</i> , 2007 , 24, 425-30	6	41
6	Cadmium uptake and nitrogen fixing ability in heavy-metal-resistant laboratory and field strains of <i>Rhizobium leguminosarum</i> biovar trifolii. <i>FEMS Microbiology Ecology</i> , 2006 , 22, 85-93	4.3	42
5	Survival and nodulating ability of indigenous and inoculated <i>Rhizobium leguminosarum</i> biovar trifolii in sterilized and unsterilized soil treated with sewage sludge. <i>Current Microbiology</i> , 2001 , 42, 59-64	2.4	19
4	Use of sequential extraction procedures for the analysis of cadmium and lead in sediment samples from a constructed wetland. <i>Bulletin of Environmental Contamination and Toxicology</i> , 2000 , 64, 51-8	2.7	16
3	The removal of urban pollutants by constructed wetlands during wet weather. <i>Water Science and Technology</i> , 1999 , 40, 333	2.2	27

- 2 The treatment of metals in urban runoff by constructed wetlands. *Science of the Total Environment*, **1998**, 214, 211-219 10.2 81
- 1 Expression and Content of Terminal Oxidases in *Azotobacter Vinelandii* Grown with Excess NH₄⁺ are Modulated by O₂ Supply. *Microbiology (United Kingdom)*, **1997**, 143, 231-237 2.9 20