Saranya Kuppusamy

List of Publications by Year
in descending order

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Version: 2024-02-01

49 papers	2,484 citations	257357 24 h-index	302012 39 g-index
51 all docs	51 docs citations	51 times ranked	3441 citing authors

#	Article	IF	Citations
1	Remediation approaches for polycyclic aromatic hydrocarbons (PAHs) contaminated soils: Technological constraints, emerging trends and future directions. Chemosphere, 2017, 168, 944-968.	4.2	544
2	Agronomic and remedial benefits and risks of applying biochar to soil: Current knowledge and future research directions. Environment International, 2016, 87, 1-12.	4.8	277
3	Veterinary antibiotics (VAs) contamination as a global agro-ecological issue: A critical view. Agriculture, Ecosystems and Environment, 2018, 257, 47-59.	2.5	200
4	Pyrosequencing analysis of bacterial diversity in soils contaminated long-term with PAHs and heavy metals: Implications to bioremediation. Journal of Hazardous Materials, 2016, 317, 169-179.	6.5	118
5	Abandoned metalliferous mines: ecological impacts and potential approaches for reclamation. Reviews in Environmental Science and Biotechnology, 2016, 15, 327-354.	3.9	94
6	Biodegradation of polycyclic aromatic hydrocarbons (PAHs) by novel bacterial consortia tolerant to diverse physical settings â€“ Assessments in liquid- and slurry-phase systems. International Biodeterioration and Biodegradation, 2016, 108, 149-157.	1.9	88
7	Influence of cold stress on contents of soluble sugars, vitamin C and free amino acids including gamma-aminobutyric acid (GABA) in spinach (Spinacia oleracea). Food Chemistry, 2017, 215, 185-192.	4.2	85
8	Potential of Melaleuca diosmifolia leaf as a low-cost adsorbent for hexavalent chromium removal from contaminated water bodies. Chemical Engineering Research and Design, 2016, 100, 173-182.	2.7	73
9	Pyrogenic carbon and its role in contaminant immobilization in soils. Critical Reviews in Environmental Science and Technology, 2017, 47, 795-876.	6.6	72
10	In-Situ Remediation Approaches for the Management of Contaminated Sites: A Comprehensive Overview. Reviews of Environmental Contamination and Toxicology, 2016, 236, 1-115.	0.7	67
11	Bioremediation potential of natural polyphenol rich green wastes: A review of current research and recommendations for future directions. Environmental Technology and Innovation, 2015, 4, 17-28.	3.0	66
12	Pyrosequencing analysis of bacterial community diversity in long-term fertilized paddy field soil. Applied Soil Ecology, 2016, 108, 84-91.	2.1	55
13	Ex-Situ Remediation Technologies for Environmental Pollutants: A Critical Perspective. Reviews of Environmental Contamination and Toxicology, 2016, 236, 117-192.	0.7	54
14	Quercus robur acorn peel as a novel coagulating adsorbent for cationic dye removal from aquatic ecosystems. Ecological Engineering, 2017, 101, 3-8.	1.6	54
15	Polyaromatic hydrocarbon (PAH) degradation potential of a new acid tolerant, diazotrophic P-solubilizing and heavy metal resistant bacterium Cupriavidus sp. MTS-7 isolated from long-term mixed contaminated soil. Chemosphere, 2016, 162, 31-39.	4.2	47
16	Green manure amendment enhances microbial activity and diversity in antibiotic-contaminated soil. Applied Soil Ecology, 2018, 129, 72-76.	2.1	43
17	Perfluorooctanoic acid (PFOA) and perfluorooctanesulfonic acid (PFOS) concentrations in the South Korean agricultural environment: A national survey. Journal of Integrative Agriculture, 2017, 16, 1841-1851.	1.7	42
18	A DOC coagulant, gypsum treatment can simultaneously reduce As, Cd and Pb uptake by medicinal plants grown in contaminated soil. Ecotoxicology and Environmental Safety, 2018, 148, 615-619.	2.9	41

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19	Total Petroleum Hydrocarbons. , 2020, , .		38
20	Kinetics of PAH degradation by a new acid-metal-tolerant Trabulsiella isolated from the MGP site soil and identification of its potential to fix nitrogen and solubilize phosphorous. Journal of Hazardous Materials, 2016, 307, 99-107.	6.5	36
21	Risk-based remediation of polluted sites: A critical perspective. Chemosphere, 2017, 186, 607-615.	4.2	34
22	Bioaugmentation with Novel Microbial Formula vs. Natural Attenuation of a Long-Term Mixed Contaminated Soilâ€"Treatability Studies in Solid- and Slurry-Phase Microcosms. Water, Air, and Soil Pollution, 2016, 227, 1.	1.1	32
23	Oak (Quercus robur) Acorn Peel as a Low-Cost Adsorbent for Hexavalent Chromium Removal from Aquatic Ecosystems and Industrial Effluents. Water, Air, and Soil Pollution, 2016, 227, 1.	1.1	31
24	Isolation and characterization of polycyclic aromatic hydrocarbons (PAHs) degrading, pH tolerant, N-fixing and P-solubilizing novel bacteria from manufactured gas plant (MGP) site soils. Environmental Technology and Innovation, 2016, 6, 204-219.	3.0	29
25	Potential of Melaleuca diosmifolia as a novel, non-conventional and low-cost coagulating adsorbent for removing both cationic and anionic dyes. Journal of Industrial and Engineering Chemistry, 2016, 37, 198-207.	2.9	27
26	Assessment of antioxidant activity, minerals, phenols and flavonoid contents of common plant/tree waste extracts. Industrial Crops and Products, 2016, 83, 630-634.	2.5	23
27	Occurrence of sulfonamide class of antibiotics resistance in Korean paddy soils under long-term fertilization practices. Journal of Soils and Sediments, 2017, 17, 1618-1625.	1.5	23
28	Impact of Total Petroleum Hydrocarbons on Human Health. , 2020, , 139-165.		23
29	Occurrence and diversity of tetracycline resistance genes in the agricultural soils of South Korea. Environmental Science and Pollution Research, 2016, 23, 22190-22196.	2.7	21
30	Polycyclic aromatic hydrocarbons (PAHs) degradation potential, surfactant production, metal resistance and enzymatic activity of two novel cellulose-degrading bacteria isolated from koala faeces. Environmental Earth Sciences, 2017, 76, 1.	1.3	14
31	Fate of Total Petroleum Hydrocarbons in the Environment. , 2020, , 57-77.		13
32	Does long-term application of fertilizers enhance the micronutrient density in soil and crop?â€"Evidence from a field trial conducted on a 47-year-old rice paddy. Journal of Soils and Sediments, 2018, 18, 49-62.	1.5	12
33	Ecological Impacts of Total Petroleum Hydrocarbons. , 2020, , 95-138.		12
34	Examining the polyphenol content, antioxidant activity and fatty acid composition of twenty-one different wastes of fruits, vegetables, oilseeds and beverages. SN Applied Sciences, 2020, 2, 1.	1.5	12
35	Evaluation of nineteen food wastes for essential and toxic elements. International Journal of Recycling of Organic Waste in Agriculture, 2017, 6, 367-373.	2.0	11
36	Approaches for Remediation of Sites Contaminated with Total Petroleum Hydrocarbons. , 2020, , 167-205.		10

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37	Long-Term Inorganic Fertilization Effect on the Micronutrient Density in Soil and Rice Grain Cultivated in a South Korean Paddy Field. Communications in Soil Science and Plant Analysis, 2017, 48, 1603-1615.	0.6	9
38	Enhanced Nitrogen and Phosphorus Removal by Woody Plants with Deep-Planting Technique for the Potential Environmental Management of Carcass Burial Sites. Sustainability, 2017, 9, 155.	1.6	7
39	An Overview of Total Petroleum Hydrocarbons. , 2020, , 1-27.		7
40	Are There as Many Essential and Non-essential Minerals in Hydroponic Strawberry (Fragaria ananassa) Tj ETQq0 0 0 rgBT /Overlock 10 Tf	1.9	6
41	Free Amino Acid Composition of Korean Spinach (Spinacia oleracea) Cultivars as Influenced by Different Harvesting Time. Korean Journal of Environmental Agriculture, 2016, 35, 104-110.	0.0	6
42	Agriculturally relevant microbial community structure in long-term fertilized paddy soils as revealed by phospholipid fatty acid (PLFA) and pyrosequencing analyses. Archives of Agronomy and Soil Science, 2018, 64, 1379-1393.	1.3	4
43	Hairy Vetch Incorporated as Green Manure Inhibits Sulfathiazole Uptake by Lettuce in Soil. Water, Air, and Soil Pollution, 2018, 229, 1.	1.1	4
44	Unresolved complex mixtures of petroleum hydrocarbons in the environment: An overview of ecological effects and remediation approaches. Critical Reviews in Environmental Science and Technology, 2021, 51, 2872-2894.	6.6	4
45	Methodologies for Analysis and Identification of Total Petroleum Hydrocarbons. , 2020, , 29-55.		4
46	STANDARDIZATION OF THE SPORE DENSITY OF AM FUNGAL INOCULUM FOR EFFECTIVE COLONIZATION. International Journal of Agriculture Sciences, 2012, 4, 176-181.	0.0	3
47	Regulatory Guidelines for Total Petroleum Hydrocarbon Contamination. , 2020, , 207-224.		2
48	A SIGNIFICANT QUALITY STANDARD IN TERMS OF PERCENT ROOT COLONIZATION FOR EFFECTIVITY OF THE ARBUSCULAR MYCORRHIZAL (AM) INOCULUM. Indian Journal of Medical Research, 2012, 4, 168-172.	0.0	0
49	Effect of Cold Stress on the Content of Minerals and Water Soluble Vitamins in Spinach (Spinacia) Tj ETQq1 1 0.784314 rgBT /Overlock	0.1	0