Ravi Naidu

List of Publications by Year
in descending order

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478	29,383	4658 85	9861 141
papers	citations	h-index	g-index

482	482	482	27764
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Extracellular Polymeric Substances Drive Symbiotic Interactions in Bacterialâ€'Microalgal Consortia. Microbial Ecology, 2022, 83, 596-607.	2.8	19
2	Beryllium in contaminated soils: Implication of beryllium bioaccessibility by different exposure pathways. Journal of Hazardous Materials, 2022, 421, 126757.	12.4	12
3	Identification and visualisation of microplastics via PCA to decode Raman spectrum matrix towards imaging. Chemosphere, 2022, 286, 131736.	8.2	46
4	Mechanistic insights of hexavalent chromium remediation by halloysite-supported copper nanoclusters. Journal of Hazardous Materials, 2022, 421, 126812.	12.4	17
5	Applying Raman imaging to capture and identify microplastics and nanoplastics in the garden. Journal of Hazardous Materials, 2022, 426, 127788.	12.4	11
6	Bacterial community profile of the crude oil-contaminated saline soil in the Yellow River Delta Natural Reserve, China. Chemosphere, 2022, 289, 133207.	8.2	21
7	Influences of soil pH, iron application and rice variety on cadmium distribution in rice plant tissues. Science of the Total Environment, 2022, 810, 152296.	8.0	28
8	Dual-Principal Component Analysis of the Raman Spectrum Matrix to Automatically Identify and Visualize Microplastics and Nanoplastics. Analytical Chemistry, 2022, 94, 3150-3157.	6.5	32
9	Global Exposure to Per- and Polyfluoroalkyl Substances and Associated Burden of Low Birthweight. Environmental Science & Technology, 2022, 56, 4282-4294.	10.0	20
10	Magnetite Nanoparticles Loaded into Halloysite Nanotubes for Arsenic(V) Removal from Water. ACS Applied Nano Materials, 2022, 5, 12063-12076.	5.0	14
11	Magnetic responsive mesoporous alginate/Î²-cyclodextrin polymer beads enhance selectivity and adsorption of heavy metal ions. International Journal of Biological Macromolecules, 2022, 207, 826-840.	7.5	44
12	Capability of Organically Modified Montmorillonite Nanoclay as a Carrier for Imidacloprid Delivery. ACS Agricultural Science and Technology, 2022, 2, 57-68.	2.3	9
13	Role of beryllium in the environment: Insights from specific sorption and precipitation studies under different conditions. Science of the Total Environment, 2022, 838, 155698.	8.0	4
14	Magnetic biochar for removal of perfluorooctane sulphonate (PFOS): Interfacial interaction and adsorption mechanism. Environmental Technology and Innovation, 2022, 28, 102593.	6.1	16
15	Effects of Phosphate, Red Mud, and Biochar on As, Cd, and Cu Immobilization and Enzymatic Activity in a Co-Contaminated Soil. Processes, 2022, 10, 1127.	2.8	2
16	Smectite-supported chain of iron nanoparticle beads for efficient clean-up of arsenate contaminated water. Journal of Hazardous Materials, 2021, 407, 124396.	12.4	11
17	The influence of long-term ageing on arsenic ecotoxicity in soil. Journal of Hazardous Materials, 2021, 407, 124819.	12.4	15
18	The influence of soil properties on sorption-desorption of beryllium at a low level radioactive legacy waste site. Chemosphere, 2021, 268, 129338.	8.2	11

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19	Sorption of PFOS in 114 Well-Characterized Tropical and Temperate Soils: Application of Multivariate and Artificial Neural Network Analyses. Environmental Science & Technology, 2021, 55, 1779-1789.	10.0	36
20	Identification and visualisation of microplastics / nanoplastics by Raman imaging (iii): algorithm to cross-check multi-images. Water Research, 2021, 194, 116913.	11.3	56
21	Synthesis of environmentally benign ultra-small copper nanoclusters-halloysite composites and their catalytic performance on contrasting azo dyes. Applied Surface Science, 2021, 546, 149122.	6.1	27
22	Mesoporous Biopolymer Architecture Enhanced the Adsorption and Selectivity of Aqueous Heavy-Metal Ions. ACS Omega, 2021, 6, 15316-15331.	3.5	19
23	Metagenomics analysis identifies nitrogen metabolic pathway in bioremediation of diesel contaminated soil. Chemosphere, 2021, 271, 129566.	8.2	32
24	Chronic and Transgenerational Effects of Polystyrene Microplastics at Environmentally Relevant Concentrations in Earthworms (Eisenia fetida). Environmental Toxicology and Chemistry, 2021, 40, 2240-2246.	4.3	46
25	Preface â€" Recent advances in cleanup of contaminated sites. Journal of Soils and Sediments, 2021, 21, 2731-2731.	3.0	0
26	Minimizing hazardous impact of food waste in a circular economy â€" Advances in resource recovery through green strategies. Journal of Hazardous Materials, 2021, 416, 126154.	12.4	50
27	Electrokinetic remediation of petroleum hydrocarbon contaminated soil (I). Environmental Technology and Innovation, 2021, 23, 101585.	6.1	15
28	Response of Iron and Cadmium on Yield and Yield Components of Rice and Translocation in Grain: Health Risk Estimation. Frontiers in Environmental Science, 2021, 9, .	3.3	9
29	Impact of Nitrate and Ammonium Concentrations on Co-Culturing of Tetradesmus obliquus IS2 with Variovorax paradoxus IS1 as Revealed by Phenotypic Responses. Microbial Ecology, 2021, , 1.	2.8	4
30	Influence of Iron Plaque on Accumulation and Translocation of Cadmium by Rice Seedlings. Sustainability, 2021, 13, 10307.	3.2	5
31	Medium composition affects the heavy metal tolerance of microalgae: a comparison. Journal of Applied Phycology, 2021, 33, 3683-3695.	2.8	4
32	Varietal variation and formation of iron plaques on cadmium accumulation in rice seedling. Environmental Advances, 2021, 5, 100075.	4.8	16
33	Magnetically separable mesoporous alginate polymer beads assist adequate removal of aqueous methylene blue over broad solution pH. Journal of Cleaner Production, 2021, 319, 128694.	9.3	20
34	Chemical pollution: A growing peril and potential catastrophic risk to humanity. Environment International, 2021, 156, 106616.	10.0	193
35	Single and Binary Adsorption Behaviour and Mechanisms of Cd2+, Cu2+ and Ni2+ onto Modified Biochar in Aqueous Solutions. Processes, 2021, 9, 1829.	2.8	12
36	Response of phosphorus sensitive plants to arsenate. Environmental Technology and Innovation, 2021, 24, 102008.	6.1	4

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37	Highly Stable and Nontoxic Lanthanum-Treated Activated Palygorskite for the Removal of Lake Water Phosphorus. Processes, 2021, 9, 1960.	2.8	1
38	Desorption and Migration Behavior of Beryllium from Contaminated Soils: Insights for Risk-Based Management. ACS Omega, 2021, 6, 30686-30697.	3.5	6
39	Bioaccumulation and Tolerance Indices of Cadmium in Wheat Plants Grown in Cadmium-Spiked Soil: Health Risk Assessment. Frontiers in Environmental Science, 2021, 9, .	3.3	0
40	Assessing the interactions between micropollutants and nanoparticles in engineered and natural aquatic environments. Critical Reviews in Environmental Science and Technology, 2020, 50, 135-215.	12.8	36
41	Critical review of magnetic biosorbents: Their preparation, application, and regeneration for wastewater treatment. Science of the Total Environment, 2020, 702, 134893.	8.0	122
42	Hollow Porous Silica Nanosphere with Single Large Pore Opening for Pesticide Loading and Delivery. ACS Applied Nano Materials, 2020, 3, 105-113.	5.0	33
43	Modified clays alter diversity and respiration profile of microorganisms in longâ€term hydrocarbon and metal coâ€contaminated soil. Microbial Biotechnology, 2020, 13, 522-534.	4.2	11
44	Influences of feedstock sources and pyrolysis temperature on the properties of biochar and functionality as adsorbents: A meta-analysis. Science of the Total Environment, 2020, 744, 140714.	8.0	313
45	Cadmium Immobilization in the Rhizosphere and Plant Cellular Detoxification: Role of Plant-Growth-Promoting Rhizobacteria as a Sustainable Solution. Journal of Agricultural and Food Chemistry, 2020, 68, 13497-13529.	5.2	31
46	Bioavailability and Bioaccessibility of Hydrophobic Organic Contaminants in Soil and Associated Desorption-Based Measurements. Handbook of Environmental Chemistry, 2020, , 293-350.	0.4	5
47	Identification and visualisation of microplastics/ nanoplastics by Raman imaging (ii): Smaller than the diffraction limit of laser?. Water Research, 2020, 183, 116046.	11.3	78
48	Identification and visualisation of microplastics/nanoplastics by Raman imaging (i): Down to 100Ânm. Water Research, 2020, 174, 115658.	11.3	169
49	Adsorption of Perfluorooctane sulfonate (PFOS) onto metal oxides modified biochar. Environmental Technology and Innovation, 2020, 19, 100816.	6.1	51
50	Bioaccumulation of benzo[a]pyrene nonextractable residues in soil by Eisenia fetida and associated background-level sublethal genotoxicity (DNA single-strand breaks). Science of the Total Environment, 2019, 691, 605-610.	8.0	12
51	In vitro gastrointestinal mobilization and oral bioaccessibility of PAHs in contrasting soils and associated cancer risks: Focus on PAH nonextractable residues. Environment International, 2019, 133, 105186.	10.0	18
52	Biocompatible functionalisation of nanoclays for improved environmental remediation. Chemical Society Reviews, 2019, 48, 3740-3770.	38.1	104
53	Identification and visualisation of microplastics by Raman mapping. Analytica Chimica Acta, 2019, 1077, 191-199.	5.4	145
54	Nanobiopesticides: Composition and preparation methods. , 2019, , 69-131.		16

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55	Using 2003â€“2014 U.S. NHANES data to determine the associations between per- and polyfluoroalkyl substances and cholesterol: Trend and implications. Ecotoxicology and Environmental Safety, 2019, 173, 461-468.	6.0	54
56	The potential of mercury resistant purple nonsulfur bacteria as effective biosorbents to remove mercury from contaminated areas. Biocatalysis and Agricultural Biotechnology, 2019, 17, 93-103.	3.1	22
57	Extremely small amounts of B[a]P residues remobilised in long-term contaminated soils: A strong case for greater focus on readily available and not total-extractable fractions in risk assessment. Journal of Hazardous Materials, 2019, 368, 72-80.	12.4	10
58	Bioavailability and risk estimation of heavy metal(loid)s in chromated copper arsenate treated timber after remediation for utilisation as garden materials. Chemosphere, 2019, 216, 757-765.	8.2	7
59	The source of lead determines the relationship between soil properties and lead bioaccessibility. Environmental Pollution, 2019, 246, 53-59.	7.5	32
60	Removal of PFAS from aqueous solution using PbO2 from lead-acid battery. Chemosphere, 2019, 219, 36-44.	8.2	32
61	Biodegradation of high-molecular weight PAHs by Rhodococcus wratislaviensis strain 9: Overexpression of amidohydrolase induced by pyrene and BaP. Science of the Total Environment, 2019, 651, 813-821.	8.0	81
62	Application of infrared spectrum for rapid classification of dominant petroleum hydrocarbon fractions for contaminated site assessment. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2019, 207, 183-188.	3.9	7
63	Metabolomics reveals defensive mechanisms adapted by maize on exposure to high molecular weight polycyclic aromatic hydrocarbons. Chemosphere, 2019, 214, 771-780.	8.2	27
64	Impact of water and fertilizer management on arsenic bioaccumulation and speciation in rice plants grown under greenhouse conditions. Chemosphere, 2019, 214, 606-613.	8.2	33
65	Environmental applications of thermally modified and acid activated clay minerals: Current status of the art. Environmental Technology and Innovation, 2019, 13, 383-397.	6.1	65
66	Microbe and plant assisted-remediation of organic xenobiotics and its enhancement by genetically modified organisms and recombinant technology: A review. Science of the Total Environment, 2018, 628-629, 1582-1599.	8.0	144
67	Microbial diversity changes with rhizosphere and hydrocarbons in contrasting soils. Ecotoxicology and Environmental Safety, 2018, 156, 434-442.	6.0	37
68	Contamination, Fate and Management of Metals in Shooting Range Soilsâ€”a Review. Current Pollution Reports, 2018, 4, 175-187.	6.6	33
69	Use of mixed wastewaters from piggery and winery for nutrient removal and lipid production by Chlorella sp. MM3. Bioresource Technology, 2018, 256, 254-258.	9.6	60
70	The evaluation of arsenic contamination potential, speciation and hydrogeochemical behaviour in aquifers of Punjab, Pakistan. Chemosphere, 2018, 199, 737-746.	8.2	119
71	Effect of surface-tailored biocompatible organoclay on the bioavailability and mineralization of polycyclic aromatic hydrocarbons in long-term contaminated soil. Environmental Technology and Innovation, 2018, 10, 152-161.	6.1	7
72	Petroleum hydrocarbons (PH) in groundwater aquifers: An overview of environmental fate, toxicity, microbial degradation and risk-based remediation approaches. Environmental Technology and Innovation, 2018, 10, 175-193.	6.1	138

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73	Comparison of plants with C3 and C4 carbon fixation pathways for remediation of polycyclic aromatic hydrocarbon contaminated soils. Scientific Reports, 2018, 8, 2100.	3.3	37
74	Development of a modular vapor intrusion model with variably saturated and non-isothermal vadose zone. Environmental Geochemistry and Health, 2018, 40, 887-902.	3.4	12
75	Biochar application for the remediation of salt-affected soils: Challenges and opportunities. Science of the Total Environment, 2018, 625, 320-335.	8.0	374
76	Rhodococcus wratislaviensis strain 9: An efficient p -nitrophenol degrader with a great potential for bioremediation. Journal of Hazardous Materials, 2018, 347, 176-183.	12.4	56
77	As(V) removal from aqueous solution using a low-cost adsorbent coir pith ash: Equilibrium and kinetic study. Environmental Technology and Innovation, 2018, 9, 198-209.	6.1	16
78	Bioavailability of weathered hydrocarbons in engine oil-contaminated soil: Impact of bioaugmentation mediated by Pseudomonas spp. on bioremediation. Science of the Total Environment, 2018, 636, 968-974.	8.0	120
79	Chronic and reproductive toxicity of cadmium, zinc, and lead in binary and tertiary mixtures to the earthworm (Eisenia fetida). Journal of Soils and Sediments, 2018, 18, 1602-1609.	3.0	8
80	Adsorptive removal of five heavy metals from water using blast furnace slag and fly ash. Environmental Science and Pollution Research, 2018, 25, 20430-20438.	5.3	96
81	Comparative values of various wastewater streams as a soil nutrient source. Chemosphere, 2018, 192, 272-281.	8.2	24
82	Abiotic factors controlling bioavailability and bioaccessibility of polycyclic aromatic hydrocarbons in soil: Putting together a bigger picture. Science of the Total Environment, 2018, 613-614, 1140-1153.	8.0	66
83	Smartphone app-based/portable sensor for the detection of fluoro-surfactant PFOA. Chemosphere, 2018, 191, 381-388.	8.2	59
84	Recent advances in surfactant-enhanced In-Situ Chemical Oxidation for the remediation of non-aqueous phase liquid contaminated soils and aquifers. Environmental Technology and Innovation, 2018, 9, 303-322.	6.1	82
85	Soil properties influence kinetics of soil acid phosphatase in response to arsenic toxicity. Ecotoxicology and Environmental Safety, 2018, 147, 266-274.	6.0	39
86	Cadmium solubility and bioavailability in soils amended with acidic and neutral biochar. Science of the Total Environment, 2018, 610-611, 1457-1466.	8.0	74
87	In situ fabrication of green reduced graphene-based biocompatible anode for efficient energy recycle. Chemosphere, 2018, 193, 618-624.	8.2	34
88	Copper interactions on arsenic bioavailability and phytotoxicity in soil. Ecotoxicology and Environmental Safety, 2018, 148, 738-746.	6.0	16
89	Facile Oneâ€Pot Synthesis of Activated Porous Biocarbons with a High Nitrogen Content for CO₂ Capture. ChemNanoMat, 2018, 4, 281-290.	2.8	40
90	Waste mineral powder supplies plant available potassium: Evaluation of chemical and biological interventions. Journal of Geochemical Exploration, 2018, 186, 114-120.	3.2	16

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91	Impact of plant photosystems in the remediation of benzo[a]pyrene and pyrene spiked soils. Chemosphere, 2018, 193, 625-634.	8.2	50
92	Contaminated land in Colombia: A critical review of current status and future approach for the management of contaminated sites. Science of the Total Environment, 2018, 618, 199-209.	8.0	41
93	Enhanced Recovery of Nonextractable Benzo[a]pyrene Residues in Contrasting Soils Using Exhaustive Methanolic and Nonmethanolic Alkaline Treatments. Analytical Chemistry, 2018, 90, 13104-13111.	6.5	8
94	Hydrogeo-morphological influences for arsenic release and fate in the central Gangetic Basin, India. Environmental Technology and Innovation, 2018, 12, 243-260.	6.1	19
95	Coreâ€“Shell Interface-Oriented Synthesis of Bowl-Structured Hollow Silica Nanospheres Using Self-Assembled ABC Triblock Copolymeric Micelles. Langmuir, 2018, 34, 13584-13596.	3.5	9
96	Time-Dependent Remobilization of Nonextractable Benzo[a]pyrene Residues in Contrasting Soils: Effects of Aging, Spiked Concentration, and Soil Properties. Environmental Science & Technology, 2018, 52, 12295-12305.	10.0	26
97	Use of Routine Soil Tests to Estimate Pb Bioaccessibility. Environmental Science & Technology, 2018, 52, 12556-12562.	10.0	7
98	Reduction in arsenic toxicity and uptake in rice (Oryza sativa L.) by As-resistant purple nonsulfur bacteria. Environmental Science and Pollution Research, 2018, 25, 36530-36544.	5.3	42
99	The Fate of Chemical Pollutants with Soil Properties and Processes in the Climate Change Paradigmâ€”A Review. Soil Systems, 2018, 2, 51.	2.6	82
100	Draft Genome Sequence of Microbacterium esteraromaticum MM1, a Bacterium That Hydrolyzes the Organophosphorus Pesticide Fenamiphos, Isolated from Golf Course Soil. Microbiology Resource Announcements, 2018, 7, .	0.6	12
101	Using Qmsax* to evaluate the reasonable As(V) adsorption on soils with different pH. Ecotoxicology and Environmental Safety, 2018, 160, 308-315.	6.0	7
102	Impact of waste-derived organic and inorganic amendments on the mobility and bioavailability of arsenic and cadmium in alkaline and acid soils. Environmental Science and Pollution Research, 2018, 25, 25896-25905.	5.3	40
103	Novel Bacillus cereus strain from electrokinetically remediated saline soil towards the remediation of crude oil. Environmental Science and Pollution Research, 2018, 25, 26351-26360.	5.3	5
104	A meta-analysis of the distribution, sources and health risks of arsenic-contaminated groundwater in Pakistan. Environmental Pollution, 2018, 242, 307-319.	7.5	175
105	Electrochemical Proof of Fluorophilic Interaction among Fluoroâ€Carbon Chains. Electroanalysis, 2018, 30, 2349-2355.	2.9	10
106	A Pooled Data Analysis to Determine the Relationship between Selected Metals and Arsenic Bioavailability in Soil. International Journal of Environmental Research and Public Health, 2018, 15, 888.	2.6	8
107	Arsenic and Other Elemental Concentrations in Mushrooms from Bangladesh: Health Risks. International Journal of Environmental Research and Public Health, 2018, 15, 919.	2.6	29
108	Consortia of cyanobacteria/microalgae and bacteria in desert soils: an underexplored microbiota. Applied Microbiology and Biotechnology, 2018, 102, 7351-7363.	3.6	60

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109	Comparison of Single- and Sequential-Solvent Extractions of Total Extractable Benzo[a]pyrene Fractions in Contrasting Soils. Analytical Chemistry, 2018, 90, 11703-11709.	6.5	14
110	Bio-Waste Management in Subtropical Soils of India. Advances in Agronomy, 2018, , 87-148.	5.2	29
111	Toxicity assessment of fresh and weathered petroleum hydrocarbons in contaminated soil- a review. Chemosphere, 2018, 212, 755-767.	8.2	139
112	Potential application of selected metal resistant phosphate solubilizing bacteria isolated from the gut of earthworm (Metaphire posthuma) in plant growth promotion. Geoderma, 2018, 330, 117-124.	5.1	82
113	Case study of testing heavyâ€particle concentratorâ€aided remediation of leadâ€contaminated rifle shooting range soil. Remediation, 2018, 28, 67-74.	2.4	5
114	Green mango peel-nanozerovalent iron activated persulfate oxidation of petroleum hydrocarbons in oil sludge contaminated soil. Environmental Technology and Innovation, 2018, 11, 142-152.	6.1	38
115	Enhancement of chromate reduction in soils by surface modified biochar. Journal of Environmental Management, 2017, 186, 277-284.	7.8	124
116	Quercus robur acorn peel as a novel coagulating adsorbent for cationic dye removal from aquatic ecosystems. Ecological Engineering, 2017, 101, 3-8.	3.6	54
117	Electrochemical switch on-off response of a self-assembled monolayer (SAM) upon exposure to perfluorooctanoic acid (PFOA). Journal of Electroanalytical Chemistry, 2017, 785, 249-254.	3.8	10
118	Bioremediation of mercury: not properly exploited in contaminated soils!. Applied Microbiology and Biotechnology, 2017, 101, 963-976.	3.6	54
119	Electrochemical Detection of Thioetherâ€Based Fluorosurfactants in Aqueous Filmâ€Forming Foam (AFFF). Electroanalysis, 2017, 29, 1095-1102.	2.9	5
120	Pyrogenic carbon in Australian soils. Science of the Total Environment, 2017, 586, 849-857.	8.0	13
121	Integrated electrochemical treatment systems for facilitating the bioremediation of oil spill contaminated soil. Chemosphere, 2017, 175, 294-299.	8.2	26
122	Nitrification potential in the rhizosphere of Australian native vegetation. Soil Research, 2017, 55, 58.	1.1	12
123	Single step synthesis of activated bio-carbons with a high surface area and their excellent CO2 adsorption capacity. Carbon, 2017, 116, 448-455.	10.3	262
124	Pyrene degradation by Chlorella sp. MM3 in liquid medium and soil slurry: Possible role of dihydrolipoamide acetyltransferase in pyrene biodegradation. Algal Research, 2017, 23, 223-232.	4.6	46
125	Mild acid and alkali treated clay minerals enhance bioremediation of polycyclic aromatic hydrocarbons in long-term contaminated soil: A 14C-tracer study. Environmental Pollution, 2017, 223, 255-265.	7.5	28
126	Application of a biodegradable chelate to enhance subsequent chemical stabilisation of Pb in shooting range soils. Journal of Soils and Sediments, 2017, 17, 1696-1705.	3.0	8

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127	Effects of acidic and neutral biochars on properties and cadmium retention of soils. Chemosphere, 2017, 180, 564-573.	8.2	60
128	Toxicity of diesel water accommodated fraction toward microalgae, Pseudokirchneriella subcapitata and Chlorella sp. MM3. Ecotoxicology and Environmental Safety, 2017, 142, 538-543.	6.0	34
129	Variation in arsenic bioavailability in rice genotypes using swine model: An animal study. Science of the Total Environment, 2017, 599-600, 324-331.	8.0	31
130	Toxicity of Inorganic Mercury to Native Australian Grass Grown in Three Different Soils. Bulletin of Environmental Contamination and Toxicology, 2017, 98, 850-855.	2.7	11
131	Interactive effects of PAHs and heavy metal mixtures on oxidative stress in Chlorella sp. MM3 as determined by artificial neural network and genetic algorithm. Algal Research, 2017, 21, 203-212.	4.6	31
132	Inorganic arsenic in rice and rice-based diets: Health risk assessment. Food Control, 2017, 82, 196-202.	5.5	66
133	Issues raised by the reference doses for perfluorooctane sulfonate and perfluorooctanoic acid. Environment International, 2017, 105, 86-94.	10.0	38
134	Pyrogenic carbon and its role in contaminant immobilization in soils. Critical Reviews in Environmental Science and Technology, 2017, 47, 795-876.	12.8	72
135	Measurement of soil lead bioavailability and influence of soil types and properties: A review. Chemosphere, 2017, 184, 27-42.	8.2	55
136	Geographical variation and age-related dietary exposure to arsenic in rice from Bangladesh. Science of the Total Environment, 2017, 601-602, 122-131.	8.0	48
137	Investigating the relationship between lead speciation and bioaccessibility of mining impacted soils and dusts. Environmental Science and Pollution Research, 2017, 24, 17056-17067.	5.3	8
138	Ecotoxicity of measured concentrations of soil-applied diesel: Effects on earthworm survival, dehydrogenase, urease and nitrification activities. Applied Soil Ecology, 2017, 119, 1-7.	4.3	26
139	Development of a whole cell biosensor for the detection of inorganic mercury. Environmental Technology and Innovation, 2017, 8, 64-70.	6.1	27
140	Sorption, kinetics and thermodynamics of phosphate sorption onto soybean stover derived biochar. Environmental Technology and Innovation, 2017, 8, 113-125.	6.1	49
141	Evaluation of relative bioaccessibility leaching procedure for an assessment of lead bioavailability in mixed metal contaminated soils. Environmental Technology and Innovation, 2017, 7, 229-238.	6.1	6
142	Bioaccumulation and toxicity of lead, influenced by edaphic factors: using earthworms to study the effect of Pb on ecological health. Journal of Soils and Sediments, 2017, 17, 1064-1072.	3.0	21
143	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.	2.7	14
144	Transcriptome analysis of Eisenia fetida chronically exposed to benzo(a)pyrene. Environmental Technology and Innovation, 2017, 7, 54-62.	6.1	5

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145	Mercury toxicity to terrestrial biota. Ecological Indicators, 2017, 74, 451-462.	6.3	88
146	Zinc-arsenic interactions in soil: Solubility, toxicity and uptake. Chemosphere, 2017, 187, 357-367.	8.2	22
147	Sources, distribution, bioavailability, toxicity, and risk assessment of heavy metal(loid)s in complementary medicines. Environment International, 2017, 108, 103-118.	10.0	78
148	Nutrient Budgeting as an Approach to Assess and Manage the Impacts of Long-Term Irrigation Using Abattoir Wastewater. Water, Air, and Soil Pollution, 2017, 228, 1.	2.4	2
149	Soil and brownfield bioremediation. Microbial Biotechnology, 2017, 10, 1244-1249.	4.2	82
150	Synthesis of porous bentonite organoclay granule and its adsorption of tributyltin. Applied Clay Science, 2017, 148, 131-137.	5.2	9
151	Heteroatom functionalized activated porous biocarbons and their excellent performance forÂCO₂ capture at high pressure. Journal of Materials Chemistry A, 2017, 5, 21196-21204.	10.3	91
152	Concentrations of arsenic in water and fish in a tropical open lagoon, Southwest-Nigeria: Health risk assessment. Environmental Technology and Innovation, 2017, 8, 164-171.	6.1	5
153	Effect of irrigation and genotypes towards reduction in arsenic load in rice. Science of the Total Environment, 2017, 609, 311-318.	8.0	41
154	Electrochemical Studies on Selfâ€assembled Monolayer (SAM) Upon Exposure to Anionic Surfactants: PFOA, PFOS, SDS and SDBS. Electroanalysis, 2017, 29, 2155-2160.	2.9	7
155	Removal of lead from aqueous solution using superparamagnetic palygorskite nanocomposite: Material characterization and regeneration studies. Chemosphere, 2017, 186, 1006-1015.	8.2	28
156	Highly Efficient Method for the Synthesis of Activated Mesoporous Biocarbons with Extremely High Surface Area for High-Pressure CO₂ Adsorption. ACS Applied Materials & Interfaces, 2017, 9, 29782-29793.	8.0	125
157	Enhanced removal of nitrate in an integrated electrochemical-adsorption system. Separation and Purification Technology, 2017, 189, 260-266.	7.9	42
158	Enrichment, contamination and geo-accumulation factors for assessing arsenic contamination in sediment of a Tropical Open Lagoon, Southwest Nigeria. Environmental Technology and Innovation, 2017, 8, 126-131.	6.1	19
159	Microbes from mined sites: Harnessing their potential for reclamation of derelict mine sites. Environmental Pollution, 2017, 230, 495-505.	7.5	87
160	Thermal stability of biochar and its effects on cadmium sorption capacity. Bioresource Technology, 2017, 246, 48-56.	9.6	69
161	Modified osmium tracer technique enables precise microscopic delineation of hydrocarbon-degrading bacteria in clay aggregates. Environmental Technology and Innovation, 2017, 7, 12-20.	6.1	5
162	Bacterial mineralization of phenanthrene on thermally activated palygorskite: A 14C radiotracer study. Science of the Total Environment, 2017, 579, 709-717.	8.0	10

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163	Residual hydrophobic organic contaminants in soil: Are they a barrier to risk-based approaches for managing contaminated land?. Environment International, 2017, 98, 18-34.	10.0	35
164	Mercury toxicity to Eisenia fetida in three different soils. Environmental Science and Pollution Research, 2017, 24, 1261-1269.	5.3	15
165	Bio-augmentation and nutrient amendment decrease concentration of mercury in contaminated soil. Science of the Total Environment, 2017, 576, 303-309.	8.0	43
166	Remediation approaches for polycyclic aromatic hydrocarbons (PAHs) contaminated soils: Technological constraints, emerging trends and future directions. Chemosphere, 2017, 168, 944-968.	8.2	544
167	Gold nanoparticle-based optical sensors for selected anionic contaminants. TrAC - Trends in Analytical Chemistry, 2017, 86, 143-154.	11.4	69
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