

Ravi Naidu

List of Publications by Citations

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468
papers

21,637
citations

73
h-index

119
g-index

482
ext. papers

25,270
ext. citations

7
avg, IF

7.48
L-index

#	Paper	IF	Citations
468	Tailored titanium dioxide photocatalysts for the degradation of organic dyes in wastewater treatment: A review. <i>Applied Catalysis A: General</i> , 2009 , 359, 25-40	5.1	820
467	Bioremediation approaches for organic pollutants: a critical perspective. <i>Environment International</i> , 2011 , 37, 1362-75	12.9	635
466	Electronic waste management approaches: an overview. <i>Waste Management</i> , 2013 , 33, 1237-50	8.6	432
465	Nanoencapsulation, Nano-guard for Pesticides: A New Window for Safe Application. <i>Journal of Agricultural and Food Chemistry</i> , 2016 , 64, 1447-83	5.7	420
464	Remediation approaches for polycyclic aromatic hydrocarbons (PAHs) contaminated soils: Technological constraints, emerging trends and future directions. <i>Chemosphere</i> , 2017 , 168, 944-968	8.4	357
463	Consortia of cyanobacteria/microalgae and bacteria: biotechnological potential. <i>Biotechnology Advances</i> , 2011 , 29, 896-907	17.8	302
462	Chronic exposure of arsenic via drinking water and its adverse health impacts on humans. <i>Environmental Geochemistry and Health</i> , 2009 , 31 Suppl 1, 189-200	4.7	276
461	Role of organic amendment application on greenhouse gas emission from soil. <i>Science of the Total Environment</i> , 2013 , 465, 72-96	10.2	274
460	Hidden values in bauxite residue (red mud): recovery of metals. <i>Waste Management</i> , 2014 , 34, 2662-73	8.6	225
459	Agronomic and remedial benefits and risks of applying biochar to soil: Current knowledge and future research directions. <i>Environment International</i> , 2016 , 87, 1-12	12.9	219
458	Mixotrophic cyanobacteria and microalgae as distinctive biological agents for organic pollutant degradation. <i>Environment International</i> , 2013 , 51, 59-72	12.9	219
457	Biochar application for the remediation of salt-affected soils: Challenges and opportunities. <i>Science of the Total Environment</i> , 2018 , 625, 320-335	10.2	207
456	A Comprehensive Review of Aliphatic Hydrocarbon Biodegradation by Bacteria. <i>Applied Biochemistry and Biotechnology</i> , 2015 , 176, 670-99	3.2	206
455	Defluoridation of drinking water using adsorption processes. <i>Journal of Hazardous Materials</i> , 2013 , 248-249, 1-19	12.8	206
454	In vivo assessment of arsenic bioavailability in rice and its significance for human health risk assessment. <i>Environmental Health Perspectives</i> , 2006 , 114, 1826-31	8.4	197
453	Single step synthesis of activated bio-carbons with a high surface area and their excellent CO ₂ adsorption capacity. <i>Carbon</i> , 2017 , 116, 448-455	10.4	191
452	Cadmium Sorption and Desorption in Soils: A Review. <i>Critical Reviews in Environmental Science and Technology</i> , 2012 , 42, 489-533	11.1	190

451	Simultaneous adsorption of Cd, Cr, Cu, Pb, and Zn by an iron-coated Australian zeolite in batch and fixed-bed column studies. <i>Chemical Engineering Journal</i> , 2015 , 270, 393-404	14.7	184
450	Fate of zinc oxide nanoparticles during anaerobic digestion of wastewater and post-treatment processing of sewage sludge. <i>Environmental Science & Technology</i> , 2012 , 46, 9089-96	10.3	175
449	Illicit drugs and the environment--a review. <i>Science of the Total Environment</i> , 2013 , 463-464, 1079-92	10.2	170
448	Transformation of four silver/silver chloride nanoparticles during anaerobic treatment of wastewater and post-processing of sewage sludge. <i>Environmental Pollution</i> , 2013 , 176, 193-7	9.3	169
447	Biochar-induced concomitant decrease in ammonia volatilization and increase in nitrogen use efficiency by wheat. <i>Chemosphere</i> , 2016 , 142, 120-7	8.4	159
446	Phytostabilization. <i>Advances in Agronomy</i> , 2011 , 145-204	7.7	159
445	Isolation of phosphate solubilizing bacteria and their potential for lead immobilization in soil. <i>Journal of Hazardous Materials</i> , 2011 , 185, 829-36	12.8	153
444	Influences of feedstock sources and pyrolysis temperature on the properties of biochar and functionality as adsorbents: A meta-analysis. <i>Science of the Total Environment</i> , 2020 , 744, 140714	10.2	147
443	Heavy metals in Australian grown and imported rice and vegetables on sale in Australia: health hazard. <i>Ecotoxicology and Environmental Safety</i> , 2014 , 100, 53-60	7	144
442	From Bioavailability Science to Regulation of Organic Chemicals. <i>Environmental Science & Technology</i> , 2015 , 49, 10255-64	10.3	139
441	Red mud as an amendment for pollutants in solid and liquid phases. <i>Geoderma</i> , 2011 , 163, 1-12	6.7	138
440	The use of molecular techniques to characterize the microbial communities in contaminated soil and water. <i>Environment International</i> , 2008 , 34, 265-76	12.9	138
439	Emerging contaminants in the environment: Risk-based analysis for better management. <i>Chemosphere</i> , 2016 , 154, 350-357	8.4	133
438	Consumption of arsenic and other elements from vegetables and drinking water from an arsenic-contaminated area of Bangladesh. <i>Journal of Hazardous Materials</i> , 2013 , 262, 1056-63	12.8	132
437	Unraveling Health Risk and Speciation of Arsenic from Groundwater in Rural Areas of Punjab, Pakistan. <i>International Journal of Environmental Research and Public Health</i> , 2015 , 12, 12371-90	4.6	129
436	Assessment of four commonly employed in vitro arsenic bioaccessibility assays for predicting in vivo relative arsenic bioavailability in contaminated soils. <i>Environmental Science & Technology</i> , 2009 , 43, 9487-94	10.3	126
435	Remediation of hexavalent chromium through adsorption by bentonite based Arquad [®] 2HT-75 organoclay. <i>Journal of Hazardous Materials</i> , 2010 , 183, 87-97	12.8	123
434	Microbial activity and diversity in long-term mixed contaminated soils with respect to polyaromatic hydrocarbons and heavy metals. <i>Journal of Environmental Management</i> , 2012 , 99, 10-7	7.9	122

433	Phyconanotechnology: synthesis of silver nanoparticles using brown marine algae <i>Cystophora moniliformis</i> and their characterisation. <i>Journal of Applied Phycology</i> , 2013 , 25, 177-182	3.2	119
432	Arsenic and other elements in drinking water and dietary components from the middle Gangetic plain of Bihar, India: Health risk index. <i>Science of the Total Environment</i> , 2016 , 539, 125-134	10.2	118
431	Comparison of in vivo and in vitro methodologies for the assessment of arsenic bioavailability in contaminated soils. <i>Chemosphere</i> , 2007 , 69, 961-6	8.4	118
430	Treatment technologies for aqueous perfluorooctanesulfonate (PFOS) and perfluorooctanoate (PFOA): A critical review with an emphasis on field testing. <i>Environmental Technology and Innovation</i> , 2015 , 4, 168-181	7	114
429	A meta-analysis of the distribution, sources and health risks of arsenic-contaminated groundwater in Pakistan. <i>Environmental Pollution</i> , 2018 , 242, 307-319	9.3	108
428	Enhancement of chromate reduction in soils by surface modified biochar. <i>Journal of Environmental Management</i> , 2017 , 186, 277-284	7.9	100
427	In vitro assessment of arsenic bioaccessibility in contaminated (anthropogenic and geogenic) soils. <i>Chemosphere</i> , 2007 , 69, 69-78	8.4	98
426	Polycyclic aromatic hydrocarbons in road-deposited sediments, water sediments, and soils in Sydney, Australia: Comparisons of concentration distribution, sources and potential toxicity. <i>Ecotoxicology and Environmental Safety</i> , 2014 , 104, 339-48	7	97
425	Bioremediation of PAHs and VOCs: Advances in clay mineral-microbial interaction. <i>Environment International</i> , 2015 , 85, 168-81	12.9	95
424	Arsenic levels in rice grain and assessment of daily dietary intake of arsenic from rice in arsenic-contaminated regions of Bangladesh--implications to groundwater irrigation. <i>Environmental Geochemistry and Health</i> , 2009 , 31 Suppl 1, 179-87	4.7	94
423	Evaluation of SBRC-gastric and SBRC-intestinal methods for the prediction of in vivo relative lead bioavailability in contaminated soils. <i>Environmental Science & Technology</i> , 2009 , 43, 4503-9	10.3	94
422	Heavy metal (Cu, Zn, Cd and Pb) partitioning and bioaccessibility in uncontaminated and long-term contaminated soils. <i>Journal of Hazardous Materials</i> , 2009 , 171, 1150-8	12.8	93
421	Long-Term Changes in Cadmium Bioavailability in Soil. <i>Environmental Science & Technology</i> , 1998 , 32, 3699-3703	10.3	93
420	Pyrosequencing analysis of bacterial diversity in soils contaminated long-term with PAHs and heavy metals: Implications to bioremediation. <i>Journal of Hazardous Materials</i> , 2016 , 317, 169-179	12.8	91
419	Arsenic bioremediation potential of a new arsenite-oxidizing bacterium <i>Stenotrophomonas</i> sp. MM-7 isolated from soil. <i>Biodegradation</i> , 2012 , 23, 803-12	4.1	90
418	Comparative value of phosphate sources on the immobilization of lead, and leaching of lead and phosphorus in lead contaminated soils. <i>Science of the Total Environment</i> , 2011 , 409, 853-60	10.2	90
417	The evaluation of arsenic contamination potential, speciation and hydrogeochemical behaviour in aquifers of Punjab, Pakistan. <i>Chemosphere</i> , 2018 , 199, 737-746	8.4	88
416	Toxicity assessment of fresh and weathered petroleum hydrocarbons in contaminated soil- a review. <i>Chemosphere</i> , 2018 , 212, 755-767	8.4	87

415	Heavy metal toxicity to bacteria - are the existing growth media accurate enough to determine heavy metal toxicity?. <i>Chemosphere</i> , 2013 , 90, 1195-200	8.4	86
414	Recent developments in biochar as an effective tool for agricultural soil management: a review. <i>Journal of the Science of Food and Agriculture</i> , 2016 , 96, 4840-4849	4.3	86
413	Cadmium Contamination and Its Risk Management in Rice Ecosystems. <i>Advances in Agronomy</i> , 2013 , 183-273	8.5	85
412	Highly Efficient Method for the Synthesis of Activated Mesoporous Biocarbons with Extremely High Surface Area for High-Pressure CO Adsorption. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 29782-29793	9.5	84
411	Biodegradation of the pesticide fenamiphos by ten different species of green algae and cyanobacteria. <i>Current Microbiology</i> , 2008 , 57, 643-6	2.4	84
410	In vivo-in vitro and XANES spectroscopy assessments of lead bioavailability in contaminated periurban soils. <i>Environmental Science & Technology</i> , 2011 , 45, 6145-52	10.3	83
409	Toxicity of chlorpyrifos and TCP alone and in combination to <i>Daphnia carinata</i> : the influence of microbial degradation in natural water. <i>Water Research</i> , 2007 , 41, 4497-503	12.5	83
408	Concentrations of arsenic and other elements in groundwater of Bangladesh and West Bengal, India: potential cancer risk. <i>Chemosphere</i> , 2015 , 139, 54-64	8.4	82
407	Identification and visualisation of microplastics/nanoplastics by Raman imaging (i): Down to 100nm. <i>Water Research</i> , 2020 , 174, 115658	12.5	81
406	Uncertainties in human health risk assessment of environmental contaminants: A review and perspective. <i>Environment International</i> , 2015 , 85, 120-32	12.9	77
405	Microbe and plant assisted-remediation of organic xenobiotics and its enhancement by genetically modified organisms and recombinant technology: A review. <i>Science of the Total Environment</i> , 2018 , 628-629, 1582-1599	10.2	77
404	Bioremediation of high molecular weight polyaromatic hydrocarbons co-contaminated with metals in liquid and soil slurries by metal tolerant PAHs degrading bacterial consortium. <i>Biodegradation</i> , 2012 , 23, 823-35	4.1	77
403	Remediation trials for hydrocarbon-contaminated soils in arid environments: Evaluation of bioslurry and biopiling techniques. <i>International Biodeterioration and Biodegradation</i> , 2015 , 101, 56-65	4.8	76
402	Assessing the bioavailability and bioaccessibility of metals and metalloids. <i>Environmental Science and Pollution Research</i> , 2015 , 22, 8802-25	5.1	76
401	Synthesis and characterisation of novel organopolygorskites for removal of p-nitrophenol from aqueous solution: isothermal studies. <i>Journal of Colloid and Interface Science</i> , 2010 , 350, 295-304	9.3	76
400	Arsenic accumulation in rice: Consequences of rice genotypes and management practices to reduce human health risk. <i>Environment International</i> , 2016 , 96, 139-155	12.9	76
399	Urban stormwater quality and treatment. <i>Korean Journal of Chemical Engineering</i> , 2010 , 27, 1343-1359	2.8	75
398	<i>Chlorococcum</i> sp. MM11B novel phyco-nanofactory for the synthesis of iron nanoparticles. <i>Journal of Applied Phycology</i> , 2015 , 27, 1861-1869	3.2	74

397	Bioavailability of weathered hydrocarbons in engine oil-contaminated soil: Impact of bioaugmentation mediated by <i>Pseudomonas</i> spp. on bioremediation. <i>Science of the Total Environment</i> , 2018 , 636, 968-974	10.2	73
396	Abandoned metalliferous mines: ecological impacts and potential approaches for reclamation. <i>Reviews in Environmental Science and Biotechnology</i> , 2016 , 15, 327-354	13.9	73
395	Petroleum hydrocarbons (PH) in groundwater aquifers: An overview of environmental fate, toxicity, microbial degradation and risk-based remediation approaches. <i>Environmental Technology and Innovation</i> , 2018 , 10, 175-193	7	72
394	Effect of soil type on distribution and bioaccessibility of metal contaminants in shooting range soils. <i>Science of the Total Environment</i> , 2012 , 438, 452-62	10.2	71
393	Orange II adsorption on palygorskites modified with alkyl trimethylammonium and dialkyl dimethylammonium bromide [An isothermal and kinetic study. <i>Applied Clay Science</i> , 2011 , 51, 370-374	5.2	71
392	Determination of cadmium relative bioavailability in contaminated soils and its prediction using in vitro methodologies. <i>Environmental Science & Technology</i> , 2010 , 44, 5240-7	10.3	71
391	Adsorptive removal of five heavy metals from water using blast furnace slag and fly ash. <i>Environmental Science and Pollution Research</i> , 2018 , 25, 20430-20438	5.1	70
390	Molecular characterization of chromium (VI) reducing potential in Gram positive bacteria isolated from contaminated sites. <i>Soil Biology and Biochemistry</i> , 2010 , 42, 1857-1863	7.5	70
389	Critical review of magnetic biosorbents: Their preparation, application, and regeneration for wastewater treatment. <i>Science of the Total Environment</i> , 2020 , 702, 134893	10.2	69
388	Designing advanced biochar products for maximizing greenhouse gas mitigation potential. <i>Critical Reviews in Environmental Science and Technology</i> , 2016 , 46, 1367-1401	11.1	69
387	Biocompatible functionalisation of nanoclays for improved environmental remediation. <i>Chemical Society Reviews</i> , 2019 , 48, 3740-3770	58.5	68
386	Ecological implications of motor oil pollution: Earthworm survival and soil health. <i>Soil Biology and Biochemistry</i> , 2015 , 85, 72-81	7.5	68
385	Managing long-term polycyclic aromatic hydrocarbon contaminated soils: a risk-based approach. <i>Environmental Science and Pollution Research</i> , 2015 , 22, 8927-41	5.1	68
384	Finger printing of mixed contaminants from former manufactured gas plant (MGP) site soils: Implications to bioremediation. <i>Environment International</i> , 2011 , 37, 184-9	12.9	68
383	The Impacts of Environmental Pollutants on Microalgae and Cyanobacteria. <i>Critical Reviews in Environmental Science and Technology</i> , 2010 , 40, 699-821	11.1	68
382	Atrazine and simazine degradation in <i>Pennisetum</i> rhizosphere. <i>Chemosphere</i> , 2004 , 56, 257-63	8.4	68
381	Recent advances in the synthesis of inorganic nano/microstructures using microbial biotemplates and their applications. <i>RSC Advances</i> , 2014 , 4, 52156-52169	3.7	67
380	Concomitant rock phosphate dissolution and lead immobilization by phosphate solubilizing bacteria (<i>Enterobacter</i> sp.). <i>Journal of Environmental Management</i> , 2011 , 92, 1115-20	7.9	67

379	Environmental application and ecological significance of nano-zero valent iron. <i>Journal of Environmental Sciences</i> , 2016 , 44, 88-98	6.4	65
378	X-ray absorption and micro X-ray fluorescence spectroscopy investigation of copper and zinc speciation in biosolids. <i>Environmental Science & Technology</i> , 2011 , 45, 7249-57	10.3	65
377	Heavy metal distribution, bioaccessibility, and phytoavailability in long-term contaminated soils from Lake Macquarie, Australia. <i>Soil Research</i> , 2009 , 47, 166	1.8	65
376	Identification and visualisation of microplastics by Raman mapping. <i>Analytica Chimica Acta</i> , 2019 , 1077, 191-199	6.6	64
375	Removal of mixed contaminants Cr(VI) and Cu(II) by green synthesized iron based nanoparticles. <i>Ecological Engineering</i> , 2016 , 97, 32-39	3.9	64
374	Biodegradation of polycyclic aromatic hydrocarbons (PAHs) by novel bacterial consortia tolerant to diverse physical settings [Assessments in liquid- and slurry-phase systems. <i>International Biodeterioration and Biodegradation</i> , 2016 , 108, 149-157	4.8	64
373	Phosphorus Recovery and Reuse from Waste Streams. <i>Advances in Agronomy</i> , 2015 , 131, 173-250	7.7	64
372	Manganese(II)-catalyzed and clay-minerals-mediated reduction of chromium(VI) by citrate. <i>Environmental Science & Technology</i> , 2013 , 47, 13629-36	10.3	63
371	Heteroatom functionalized activated porous biocarbons and their excellent performance for CO ₂ capture at high pressure. <i>Journal of Materials Chemistry A</i> , 2017 , 5, 21196-21204	13	63
370	Voltammetric Determination of Lead (II) and Cadmium (II) Using a Bismuth Film Electrode Modified with Mesoporous Silica Nanoparticles. <i>Electrochimica Acta</i> , 2014 , 132, 223-229	6.7	62
369	Biodegradation of crystal violet using Burkholderia vietnamiensis C09V immobilized on PVA-sodium alginate-kaolin gel beads. <i>Ecotoxicology and Environmental Safety</i> , 2012 , 83, 108-14	7	62
368	Multivariate analysis of mixed contaminants (PAHs and heavy metals) at manufactured gas plant site soils. <i>Environmental Monitoring and Assessment</i> , 2012 , 184, 3875-85	3.1	62
367	Mercury toxicity to terrestrial biota. <i>Ecological Indicators</i> , 2017 , 74, 451-462	5.8	61
366	Structural evolution of chitosan-balygorskite composites and removal of aqueous lead by composite beads. <i>Applied Surface Science</i> , 2015 , 353, 363-375	6.7	61
365	Influence of plant roots on rhizosphere soil solution composition of long-term contaminated soils. <i>Geoderma</i> , 2010 , 155, 86-92	6.7	61
364	Soil and brownfield bioremediation. <i>Microbial Biotechnology</i> , 2017 , 10, 1244-1249	6.3	60
363	Pyrogenic carbon and its role in contaminant immobilization in soils. <i>Critical Reviews in Environmental Science and Technology</i> , 2017 , 47, 795-876	11.1	59
362	Simultaneous adsorption and biodegradation (SAB) of diesel oil using immobilized Acinetobacter venetianus on porous material. <i>Chemical Engineering Journal</i> , 2016 , 289, 463-470	14.7	59

361	Potential of <i>Melaleuca diosmifolia</i> leaf as a low-cost adsorbent for hexavalent chromium removal from contaminated water bodies. <i>Chemical Engineering Research and Design</i> , 2016 , 100, 173-182	5.5	57
360	Bioremediation potential of a highly mercury resistant bacterial strain <i>Sphingobium</i> SA2 isolated from contaminated soil. <i>Chemosphere</i> , 2016 , 144, 330-7	8.4	57
359	Effects of ageing and soil properties on the oral bioavailability of benzo[a]pyrene using a swine model. <i>Environment International</i> , 2014 , 70, 192-202	12.9	57
358	DDT remediation in contaminated soils: a review of recent studies. <i>Biodegradation</i> , 2012 , 23, 851-63	4.1	57
357	Microbes from mined sites: Harnessing their potential for reclamation of derelict mine sites. <i>Environmental Pollution</i> , 2017 , 230, 495-505	9.3	56
356	Surface charge characteristics of organo-palygorskites and adsorption of p-nitrophenol in flow-through reactor system. <i>Chemical Engineering Journal</i> , 2012 , 185-186, 35-43	14.7	56
355	Sorption of quaternary ammonium compounds in soils: implications to the soil microbial activities. <i>Journal of Hazardous Materials</i> , 2010 , 184, 448-456	12.8	56
354	The impact of sequestration on the bioaccessibility of arsenic in long-term contaminated soils. <i>Chemosphere</i> , 2008 , 71, 773-80	8.4	56
353	Arsenic speciation in Australian-grown and imported rice on sale in Australia: implications for human health risk. <i>Journal of Agricultural and Food Chemistry</i> , 2014 , 62, 6016-24	5.7	55
352	Sources, distribution, bioavailability, toxicity, and risk assessment of heavy metal(loid)s in complementary medicines. <i>Environment International</i> , 2017 , 108, 103-118	12.9	55
351	The Influence of Wastewater Irrigation on the Transformation and Bioavailability of Heavy Metal(Loid)s in Soil. <i>Advances in Agronomy</i> , 2012 , 115, 215-297	7.7	55
350	Bioavailability of barium to plants and invertebrates in soils contaminated by barite. <i>Environmental Science & Technology</i> , 2013 , 47, 4670-6	10.3	55
349	Bioremediation potential of natural polyphenol rich green wastes: A review of current research and recommendations for future directions. <i>Environmental Technology and Innovation</i> , 2015 , 4, 17-28	7	54
348	Bioremediation of Arsenic-Contaminated Water: Recent Advances and Future Prospects. <i>Water, Air, and Soil Pollution</i> , 2013 , 224, 1	2.6	54
347	Removal of nitrate using <i>Paracoccus</i> sp. YF1 immobilized on bamboo carbon. <i>Journal of Hazardous Materials</i> , 2012 , 229-230, 419-25	12.8	54
346	Speciation of arsenic in ground water samples: A comparative study of CE-UV, HG-AAS and LC-ICP-MS. <i>Talanta</i> , 2005 , 68, 406-15	6.2	54
345	Recent advances in surfactant-enhanced In-Situ Chemical Oxidation for the remediation of non-aqueous phase liquid contaminated soils and aquifers. <i>Environmental Technology and Innovation</i> , 2018 , 9, 303-322	7	53
344	Heavy metal-immobilizing organoclay facilitates polycyclic aromatic hydrocarbon biodegradation in mixed-contaminated soil. <i>Journal of Hazardous Materials</i> , 2015 , 298, 129-37	12.8	53

343	Human arsenic exposure and risk assessment at the landscape level: a review. <i>Environmental Geochemistry and Health</i> , 2009 , 31 Suppl 1, 143-66	4.7	53
342	A Critical Review on Biogenic Silver Nanoparticles and their Antimicrobial Activity. <i>Current Nanoscience</i> , 2011 , 7, 531-544	1.4	53
341	Persistent toxic substances released from uncontrolled e-waste recycling and actions for the future. <i>Science of the Total Environment</i> , 2013 , 463-464, 1133-7	10.2	52
340	Groundwater chemistry and arsenic mobilization in the Holocene flood plains in south-central Bangladesh. <i>Environmental Geochemistry and Health</i> , 2009 , 31 Suppl 1, 23-43	4.7	51
339	Toxicity and transformation of fenamiphos and its metabolites by two micro algae <i>Pseudokirchneriella subcapitata</i> and <i>Chlorococcum</i> sp. <i>Science of the Total Environment</i> , 2008 , 398, 53-9	10.2	51
338	Cadmium solubility and bioavailability in soils amended with acidic and neutral biochar. <i>Science of the Total Environment</i> , 2018 , 610-611, 1457-1466	10.2	50
337	A Review on the Genetics of Aliphatic and Aromatic Hydrocarbon Degradation. <i>Applied Biochemistry and Biotechnology</i> , 2016 , 178, 224-50	3.2	50
336	Gold nanoparticle-based optical sensors for selected anionic contaminants. <i>TrAC - Trends in Analytical Chemistry</i> , 2017 , 86, 143-154	14.6	50
335	Effect of soil ageing on in vivo arsenic bioavailability in two dissimilar soils. <i>Chemosphere</i> , 2008 , 71, 2180-4	6.4	50
334	Potential application of selected metal resistant phosphate solubilizing bacteria isolated from the gut of earthworm (<i>Metaphire posthuma</i>) in plant growth promotion. <i>Geoderma</i> , 2018 , 330, 117-124	6.7	49
333	Influence of zero-valent iron nanoparticles on nitrate removal by <i>Paracoccus</i> sp. <i>Chemosphere</i> , 2014 , 108, 426-32	8.4	49
332	Toxicity of arsenic species to three freshwater organisms and biotransformation of inorganic arsenic by freshwater phytoplankton (<i>Chlorella</i> sp. CE-35). <i>Ecotoxicology and Environmental Safety</i> , 2014 , 106, 126-35	7	49
331	Structural characterisation of Arquad® 2HT-75 organobentonites: surface charge characteristics and environmental application. <i>Journal of Hazardous Materials</i> , 2011 , 195, 155-61	12.8	49
330	Enhanced removal of petroleum hydrocarbons using a bioelectrochemical remediation system with pre-cultured anodes. <i>Science of the Total Environment</i> , 2016 , 539, 61-69	10.2	48
329	Ex-Situ Remediation Technologies for Environmental Pollutants: A Critical Perspective. <i>Reviews of Environmental Contamination and Toxicology</i> , 2016 , 236, 117-92	3.5	48
328	<i>Quercus robur</i> acorn peel as a novel coagulating adsorbent for cationic dye removal from aquatic ecosystems. <i>Ecological Engineering</i> , 2017 , 101, 3-8	3.9	47
327	Metals and polybrominated diphenyl ethers leaching from electronic waste in simulated landfills. <i>Journal of Hazardous Materials</i> , 2013 , 252-253, 243-9	12.8	47
326	Biodegradation of high-molecular weight PAHs by <i>Rhodococcus wratislaviensis</i> strain 9: Overexpression of amidohydrolase induced by pyrene and BaP. <i>Science of the Total Environment</i> , 2019 , 651, 813-821	10.2	47

325	Ecotoxicity of chemically stabilised metal(loid)s in shooting range soils. <i>Ecotoxicology and Environmental Safety</i> , 2014 , 100, 201-8	7	46
324	Cultivation of <i>Chlorella</i> on brewery wastewater and nano-particle biosynthesis by its biomass. <i>Bioresource Technology</i> , 2016 , 211, 698-703	11	46
323	Inorganic arsenic in rice and rice-based diets: Health risk assessment. <i>Food Control</i> , 2017 , 82, 196-202	6.2	45
322	Speciation mapping of environmental samples using XANES imaging. <i>Environmental Chemistry</i> , 2014 , 11, 341	3.2	45
321	Effects of acidic and neutral biochars on properties and cadmium retention of soils. <i>Chemosphere</i> , 2017 , 180, 564-573	8.4	44
320	Chemical stabilisation of lead in shooting range soils with phosphate and magnesium oxide: Synchrotron investigation. <i>Journal of Hazardous Materials</i> , 2015 , 299, 395-403	12.8	44
319	Structural, electrokinetic and surface properties of activated palygorskite for environmental application. <i>Applied Clay Science</i> , 2016 , 134, 95-102	5.2	44
318	In-Situ Remediation Approaches for the Management of Contaminated Sites: A Comprehensive Overview. <i>Reviews of Environmental Contamination and Toxicology</i> , 2016 , 236, 1-115	3.5	44
317	Thermal stability of biochar and its effects on cadmium sorption capacity. <i>Bioresource Technology</i> , 2017 , 246, 48-56	11	44
316	Assessment of lead bioaccessibility in peri-urban contaminated soils. <i>Journal of Hazardous Materials</i> , 2011 , 186, 300-5	12.8	44
315	Abiotic factors controlling bioavailability and bioaccessibility of polycyclic aromatic hydrocarbons in soil: Putting together a bigger picture. <i>Science of the Total Environment</i> , 2018 , 613-614, 1140-1153	10.2	43
314	Arsenic bioaccessibility in contaminated soils: Coupling in vitro assays with sequential and HNO ₃ extraction. <i>Journal of Hazardous Materials</i> , 2015 , 295, 145-52	12.8	42
313	Use of mixed wastewaters from piggery and winery for nutrient removal and lipid production by <i>Chlorella</i> sp. MM3. <i>Bioresource Technology</i> , 2018 , 256, 254-258	11	42
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31	Short-term effects of fertilizer application on soil respiration in red pine stands. <i>Journal of Ecology and Environment</i> , 2012 , 35, 307-311	2	3
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