Meri Barbafieri

List of Publications by Year in Descending Order

46 papers	1,102 citations	20 h-index	32 g-index
48 ext. papers	1,256 ext. citations	4.6 avg, IF	4.32 L-index

#	Paper	IF	Citations
46	Soil Remediation: Towards a Resilient and Adaptive Approach to Deal with the Ever-Changing Environmental Challenges. *Environments - MDPI*, **2022**, 9, 18	3.2	0
45	Cannabis sativa L. and Brassica juncea L. grown on arsenic-contaminated industrial soil: potentiality and limitation for phytoremediation. *Environmental Science and Pollution Research*, **2021**, 29, 15983	5.1	1
44	Application of sulphate and cytokinin in assisted arsenic phytoextraction by industrial Cannabis sativa L. *Environmental Science and Pollution Research*, **2021**, 28, 47294-47305	5.1	3
43	Dealing with complex contamination: A novel approach with a combined bio-phytoremediation strategy and effective analytical techniques. *Journal of Environmental Management*, **2021**, 288, 112381	7.9	6
42	Sustainable Valorization of Biomass: From Assisted Phytoremediation to Green Energy Production **2021**, 29-51		2
41	New Light on Phytoremediation: The Use of Luminescent Solar Concentrators. *Applied Sciences (Switzerland)*, **2021**, 11, 1923	2.6	5
40	Enhanced Lead Phytoextraction by Endophytes from Indigenous Plants. *Soil Systems*, **2021**, 5, 55	3.5	4
39	Remediation Technologies, from Incineration to Phytoremediation: The Rediscovery of the Essential Role of Soil Quality **2021**, 113-149		
38	Phytoextraction technologies for mercury- and chromium-contaminated soil: a review. *Journal of Chemical Technology and Biotechnology*, **2020**, 95, 317-327	3.5	38
37	Improved arsenic phytoextraction by combined use of mobilizing chemicals and autochthonous soil bacteria. *Science of the Total Environment*, **2019**, 655, 328-336	10.2	44
36	Overcoming limitation of "recalcitrant areas" to phytoextraction process: The synergistic effects of exogenous cytokinins and nitrogen treatments. *Science of the Total Environment*, **2018**, 639, 1520-1529	10.2	16
35	Phytoremediation of a multi contaminated soil: mercury and arsenic phytoextraction assisted by mobilizing agent and plant growth promoting bacteria. *Journal of Soils and Sediments*, **2017**, 17, 1224-1236	3.4	78
34	Response of spontaneous plants from an ex-mining site of Elba island (Tuscany, Italy) to metal(loid) contamination. *Environmental Science and Pollution Research*, **2017**, 24, 7809-7820	5.1	22
33	Assisted phytoremediation of a multi-contaminated soil: Investigation on arsenic and lead combined mobilization and removal. *Journal of Environmental Management*, **2017**, 203, 316-329	7.9	33
32	Physiological and biochemical responses of sunflower (Helianthus annuus L.) exposed to nano-CeO and excess boron: Modulation of boron phytotoxicity. *Plant Physiology and Biochemistry*, **2017**, 110, 50-58	5.4	48
31	Applicability of a Freundlich-Like Model for Plant Uptake at an Industrial Contaminated Site with a High Variable Arsenic Concentration. *Environments - MDPI*, **2017**, 4, 67	3.2	10
30	Assessment of repeated harvests on mercury and arsenic phytoextraction in a multi-contaminated industrial soil. *AIMS Environmental Science*, **2017**, 4, 187-205	1.9	9

29	Soil Quality Protection at Heavy Metal-Contaminated Manufactured Gas Plant Sites: Role of Biological Remediation **2017**, 231-260		4
28	Use of Phytohormones for Strengthening Metal(loid) Phytoextraction: Limitations and a Case Study **2016**, 157-179		
27	Exploiting Hydrocarbon-Degrading Indigenous Bacteria for Bioremediation and Phytoremediation of a Multicontaminated Soil. *Chemical Engineering and Technology*, **2016**, 39, 1676-1684	2	19
26	Contaminant bioavailability in soil and phytotoxicity/genotoxicity tests in Vicia faba L.: a case study of boron contamination. *Environmental Science and Pollution Research*, **2016**, 23, 24327-24336	5.1	12
25	Polycyclic Aromatic Hydrocarbons and Heavy Metal Contaminated Sites: Phytoremediation as a Strategy for Addressing the Complexity of Pollution **2016**, 61-90		
24	The Bioavailability Processes as a Key to Evaluate Phytoremediation Efficiency **2015**, 31-43		7
23	Zn, Pb and Hg Contents of Pistacia lentiscus L. Grown on Heavy Metal-Rich Soils: Implications for Phytostabilization. *Water, Air, and Soil Pollution*, **2015**, 226, 1	2.6	23
22	Soil genotoxicity assessment--results of an interlaboratory study on the Vicia micronucleus assay in the context of ISO standardization. *Environmental Science and Pollution Research*, **2015**, 22, 988-95	5.1	22
21	The Effect of Thiosulphate on Arsenic Bioavailability in a Multi Contaminated Soil. A Novel Contribution to Phytoextraction **2014**, 6, 38-43		1
20	Remediation of a Mercury-Contaminated Industrial Soil Using Bioavailable Contaminant Stripping. *Pedosphere*, **2013**, 23, 104-110	5	32
19	Protocols for Applying Phytotechnologies in Metal-Contaminated Soils. *Soil Biology*, **2013**, 19-37	1	8
18	Phytoremediation Towards the Future: Focus on Bioavailable Contaminants. *Soil Biology*, **2013**, 273-289	1	12
17	Enhanced Bioavailable Contaminant Stripping (EBCS): metal bioavailability for evaluation of phytoextraction success. *E3S Web of Conferences*, **2013**, 1, 31001	0.5	2
16	Using a plant hormone and a thioligand to improve phytoremediation of Hg-contaminated soil from a petrochemical plant. *Journal of Hazardous Materials*, **2012**, 231-232, 36-42	12.8	63
15	Nitrogen fertilizer improves boron phytoextraction by Brassica juncea grown in contaminated sediments and alleviates plant stress. *Chemosphere*, **2012**, 87, 1119-25	8.4	63
14	Brassinosteroids for phytoremediation application **2011**, 403-437		17
13	Evaluating the Absorption of Boron by Plants: A Potential Tool to Remediate Contaminated Sediments from Cecina River Basin in Italy. *Water, Air, and Soil Pollution*, **2011**, 216, 275-287	2.6	14
12	Field assessment of Pb in contaminated soils and in leaf mustard (Brassica juncea): the LIBS technique. *Chemistry and Ecology*, **2011**, 27, 161-169	2.3	28

11	Exogenous cytokinin treatments of an Ni hyper-accumulator, Alyssum murale, grown in a serpentine soil: implications for phytoextraction. *International Journal of Phytoremediation*, **2011**, 13 Suppl 1, 90-101	3.9	44
10	Uptake of heavy metals by native species growing in a mining area in Sardinia, Italy: discovering native flora for phytoremediation. *International Journal of Phytoremediation*, **2011**, 13, 985-97	3.9	42
9	Mercury Mobilization in a Contaminated Industrial Soil for Phytoremediation. *Communications in Soil Science and Plant Analysis*, **2011**, 42, 2767-2777	1.5	20
8	Strategies to use phytoextraction in very acidic soil contaminated by heavy metals. *Chemosphere*, **2009**, 75, 808-14	8.4	59
7	The effects of exogenous plant growth regulators in the phytoextraction of heavy metals. *Chemosphere*, **2008**, 71, 66-73	8.4	97
6	Combined application of Triton X-100 and Sinorhizobium sp. Pb002 inoculum for the improvement of lead phytoextraction by Brassica juncea in EDTA amended soil. *Chemosphere*, **2006**, 63, 293-9	8.4	79
5	Phosphate-Assisted Phytoextraction in As-Contaminated Soil. *Engineering in Life Sciences*, **2004**, 4, 341-346	3.4	36
4	Polycyclic Aromatic Hydrocarbons (PAHs) Slurry Phase Bioremediation of a Manufacturing Gas Plant (MGP) Site Aged Soil. *Water, Air, and Soil Pollution*, **2002**, 135, 219-236	2.6	44
3	Soil Washing Feasibility at a Manufacturing Gas Plant Site. *Soil and Sediment Contamination*, **2002**, 11, 751-767	3.2	9
2	The Importance of Nickel Phytoavailable Chemical Species Characterization in Soil for Phytoremediation Applicability. *International Journal of Phytoremediation*, **2000**, 2, 105-115	3.9	18
1	Effects of conventional and alternative management systems on soil phosphorus content, soil structure, and corn yield. *Communications in Soil Science and Plant Analysis*, **1995**, 26, 2869-2885	1.5	8