

Meri Barbafieri

List of Publications by Citations

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

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	The effects of exogenous plant growth regulators in the phytoextraction of heavy metals. <i>Chemosphere</i> , 2008 , 71, 66-73	8.4	97
45	Combined application of Triton X-100 and Sinorhizobium sp. Pb002 inoculum for the improvement of lead phytoextraction by Brassica juncea in EDTA amended soil. <i>Chemosphere</i> , 2006 , 63, 293-9	8.4	79
44	Phytoremediation of a multi contaminated soil: mercury and arsenic phytoextraction assisted by mobilizing agent and plant growth promoting bacteria. <i>Journal of Soils and Sediments</i> , 2017 , 17, 1224-1236	3.4	78
43	Using a plant hormone and a thioligand to improve phytoremediation of Hg-contaminated soil from a petrochemical plant. <i>Journal of Hazardous Materials</i> , 2012 , 231-232, 36-42	12.8	63
42	Nitrogen fertilizer improves boron phytoextraction by Brassica juncea grown in contaminated sediments and alleviates plant stress. <i>Chemosphere</i> , 2012 , 87, 1119-25	8.4	63
41	Strategies to use phytoextraction in very acidic soil contaminated by heavy metals. <i>Chemosphere</i> , 2009 , 75, 808-14	8.4	59
40	Physiological and biochemical responses of sunflower (<i>Helianthus annuus</i> L.) exposed to nano-CeO and excess boron: Modulation of boron phytotoxicity. <i>Plant Physiology and Biochemistry</i> , 2017 , 110, 50-58	5.4	48
39	Exogenous cytokinin treatments of an Ni hyper-accumulator, <i>Alyssum murale</i> , grown in a serpentine soil: implications for phytoextraction. <i>International Journal of Phytoremediation</i> , 2011 , 13 Suppl 1, 90-101	3.9	44
38	Polycyclic Aromatic Hydrocarbons (PAHs) Slurry Phase Bioremediation of a Manufacturing Gas Plant (MGP) Site Aged Soil. <i>Water, Air, and Soil Pollution</i> , 2002 , 135, 219-236	2.6	44
37	Improved arsenic phytoextraction by combined use of mobilizing chemicals and autochthonous soil bacteria. <i>Science of the Total Environment</i> , 2019 , 655, 328-336	10.2	44
36	Uptake of heavy metals by native species growing in a mining area in Sardinia, Italy: discovering native flora for phytoremediation. <i>International Journal of Phytoremediation</i> , 2011 , 13, 985-97	3.9	42
35	Phytoextraction technologies for mercury- and chromium-contaminated soil: a review. <i>Journal of Chemical Technology and Biotechnology</i> , 2020 , 95, 317-327	3.5	38
34	Phosphate-Assisted Phytoextraction in As-Contaminated Soil. <i>Engineering in Life Sciences</i> , 2004 , 4, 341-346	3.4	36
33	Assisted phytoremediation of a multi-contaminated soil: Investigation on arsenic and lead combined mobilization and removal. <i>Journal of Environmental Management</i> , 2017 , 203, 316-329	7.9	33
32	Remediation of a Mercury-Contaminated Industrial Soil Using Bioavailable Contaminant Stripping. <i>Pedosphere</i> , 2013 , 23, 104-110	5	32
31	Field assessment of Pb in contaminated soils and in leaf mustard (<i>Brassica juncea</i>): the LIBS technique. <i>Chemistry and Ecology</i> , 2011 , 27, 161-169	2.3	28
30	Zn, Pb and Hg Contents of <i>Pistacia lentiscus</i> L. Grown on Heavy Metal-Rich Soils: Implications for Phytostabilization. <i>Water, Air, and Soil Pollution</i> , 2015 , 226, 1	2.6	23

29	Response of spontaneous plants from an ex-mining site of Elba island (Tuscany, Italy) to metal(loid) contamination. <i>Environmental Science and Pollution Research</i> , 2017 , 24, 7809-7820	5.1	22
28	Soil genotoxicity assessment--results of an interlaboratory study on the Vicia micronucleus assay in the context of ISO standardization. <i>Environmental Science and Pollution Research</i> , 2015 , 22, 988-95	5.1	22
27	Mercury Mobilization in a Contaminated Industrial Soil for Phytoremediation. <i>Communications in Soil Science and Plant Analysis</i> , 2011 , 42, 2767-2777	1.5	20
26	Exploiting Hydrocarbon-Degrading Indigenous Bacteria for Bioremediation and Phytoremediation of a Multicontaminated Soil. <i>Chemical Engineering and Technology</i> , 2016 , 39, 1676-1684	2	19
25	The Importance of Nickel Phytoavailable Chemical Species Characterization in Soil for Phytoremediation Applicability. <i>International Journal of Phytoremediation</i> , 2000 , 2, 105-115	3.9	18
24	Brassinosteroids for phytoremediation application 2011 , 403-437		17
23	Overcoming limitation of "recalcitrant areas" to phytoextraction process: The synergistic effects of exogenous cytokinins and nitrogen treatments. <i>Science of the Total Environment</i> , 2018 , 639, 1520-1529	10.2	16
22	Evaluating the Absorption of Boron by Plants A Potential Tool to Remediate Contaminated Sediments from Cecina River Basin in Italy. <i>Water, Air, and Soil Pollution</i> , 2011 , 216, 275-287	2.6	14
21	Phytoremediation Towards the Future: Focus on Bioavailable Contaminants. <i>Soil Biology</i> , 2013 , 273-289	1	12
20	Contaminant bioavailability in soil and phytotoxicity/genotoxicity tests in Vicia faba L.: a case study of boron contamination. <i>Environmental Science and Pollution Research</i> , 2016 , 23, 24327-24336	5.1	12
19	Applicability of a Freundlich-Like Model for Plant Uptake at an Industrial Contaminated Site with a High Variable Arsenic Concentration. <i>Environments - MDPI</i> , 2017 , 4, 67	3.2	10
18	Soil Washing Feasibility at a Manufacturing Gas Plant Site. <i>Soil and Sediment Contamination</i> , 2002 , 11, 751-767	3.2	9
17	Assessment of repeated harvests on mercury and arsenic phytoextraction in a multi-contaminated industrial soil. <i>AIMS Environmental Science</i> , 2017 , 4, 187-205	1.9	9
16	Protocols for Applying Phytotechnologies in Metal-Contaminated Soils. <i>Soil Biology</i> , 2013 , 19-37	1	8
15	Effects of conventional and alternative management systems on soil phosphorus content, soil structure, and corn yield. <i>Communications in Soil Science and Plant Analysis</i> , 1995 , 26, 2869-2885	1.5	8
14	The Bioavailability Processes as a Key to Evaluate Phytoremediation Efficiency 2015 , 31-43		7
13	Dealing with complex contamination: A novel approach with a combined bio-phytoremediation strategy and effective analytical techniques. <i>Journal of Environmental Management</i> , 2021 , 288, 112381	7.9	6
12	New Light on Phytoremediation: The Use of Luminescent Solar Concentrators. <i>Applied Sciences (Switzerland)</i> , 2021 , 11, 1923	2.6	5

11	Soil Quality Protection at Heavy Metal-Contaminated Manufactured Gas Plant Sites: Role of Biological Remediation 2017 , 231-260		4
10	Enhanced Lead Phytoextraction by Endophytes from Indigenous Plants. <i>Soil Systems</i> , 2021 , 5, 55	3.5	4
9	Application of sulphate and cytokinin in assisted arsenic phytoextraction by industrial Cannabis sativa L. <i>Environmental Science and Pollution Research</i> , 2021 , 28, 47294-47305	5.1	3
8	Enhanced Bioavailable Contaminant Stripping (EBCS): metal bioavailability for evaluation of phytoextraction success. <i>E3S Web of Conferences</i> , 2013 , 1, 31001	0.5	2
7	Sustainable Valorization of Biomass: From Assisted Phytoremediation to Green Energy Production 2021 , 29-51		2
6	The Effect of Thiosulphate on Arsenic Bioavailability in a Multi Contaminated Soil. A Novel Contribution to Phytoextraction 2014 , 6, 38-43		1
5	Cannabis sativa L. and Brassica juncea L. grown on arsenic-contaminated industrial soil: potentiality and limitation for phytoremediation. <i>Environmental Science and Pollution Research</i> , 2021 , 29, 15983	5.1	1
4	Soil Remediation: Towards a Resilient and Adaptive Approach to Deal with the Ever-Changing Environmental Challenges. <i>Environments - MDPI</i> , 2022 , 9, 18	3.2	0
3	Use of Phytohormones for Strengthening Metal(loid) Phytoextraction: Limitations and a Case Study 2016 , 157-179		
2	Polycyclic Aromatic Hydrocarbons and Heavy Metal Contaminated Sites: Phytoremediation as a Strategy for Addressing the Complexity of Pollution 2016 , 61-90		
1	Remediation Technologies, from Incineration to Phytoremediation: The Rediscovery of the Essential Role of Soil Quality 2021 , 113-149		