Serena Doni

List of Publications by Citations

52 papers	974 citations	18 h-index	29 g-index
52 ext. papers	1,141 ext. citations	5.1 avg, IF	4.05 L-index

#	Paper	IF	Citations
52	Effects of petroleum contamination on soil microbial numbers, metabolic activity and urease activity. *Chemosphere*, **2012**, 87, 1273-80	8.4	89
51	The impact of land management and abandonment on soil enzymatic activity, glomalin content and aggregate stability. *Geoderma*, **2013**, 202-203, 51-61	6.7	75
50	Soil Bioremediation: Combination of Earthworms and Compost for the Ecological Remediation of a Hydrocarbon Polluted Soil. *Water, Air, and Soil Pollution*, **2006**, 177, 383-397	2.6	65
49	Organic matter□microorganism□plant in soil bioremediation: a synergic approach. *Reviews in Environmental Science and Biotechnology*, **2013**, 12, 399-419	13.9	61
48	Heavy metal fractionation and organic matter stabilization in sewage sludge treatment wetlands. *Ecological Engineering*, **2011**, 37, 771-778	3.9	42
47	Almond tree and organic fertilization for soil quality improvement in southern Italy. *Journal of Environmental Management*, **2012**, 95 Suppl, S215-22	7.9	33
46	Ornamental plants for micropollutant removal in wetland systems. *Environmental Science and Pollution Research*, **2015**, 22, 2406-15	5.1	32
45	Exploring the functional soil-microbe interface and exoenzymes through soil metaexoproteomics. *ISME Journal*, **2014**, 8, 2148-50	11.9	30
44	Stabilisation and mineralisation of sludge in reed bed systems after 10-20 years of operation. *Water Science and Technology*, **2014**, 69, 539-45	2.2	29
43	A real-scale soil phytoremediation. *Biodegradation*, **2013**, 24, 521-38	4.1	29
42	In situ phytoremediation of a soil historically contaminated by metals, hydrocarbons and polychlorobiphenyls. *Journal of Environmental Monitoring*, **2012**, 14, 1383-90		28
41	Phragmites australis for sewage sludge stabilization. *Desalination*, **2009**, 246, 110-119	10.3	28
40	Wetland plants, micro-organisms and enzymatic activities interrelations in treating N polluted water. *Ecological Engineering*, **2012**, 47, 36-43	3.9	27
39	Comparison of extraction methods for recovery of extracellular □glucosidase in two different forest soils. *Soil Biology and Biochemistry*, **2008**, 40, 2156-2161	7.5	25
38	Decontamination and functional reclamation of dredged brackish sediments. *Biodegradation*, **2013**, 24, 499-512	4.1	24
37	Characterization of stable humic□enzyme complexes of different soil ecosystems through analytical isoelectric focussing technique (IEF). *Soil Biology and Biochemistry*, **2008**, 40, 2174-2177	7.5	23
36	Use of phytoremediated sediments dredged in maritime port as plant nursery growing media. *Journal of Environmental Management*, **2017**, 186, 225-232	7.9	21

35	Phytoremediation and Bio-physical Conditioning of Dredged Marine Sediments for Their Re-use in the Environment. *Water, Air, and Soil Pollution*, **2010**, 210, 187-195	2.6	20
34	Biostimulation of Soil Microbial Activity Through Organic Fertilizer and Almond tree Association. *Land Degradation and Development*, **2016**, 27, 335-345	4.4	18
33	Organic matter stabilization in reed bed systems: Danish and Italian examples. *Water Science and Technology*, **2013**, 68, 1888-94	2.2	18
32	Evaluation of MSW Compost and Digestate Mixtures for a Circular Economy Application. *Sustainability*, **2020**, 12, 3042	3.6	16
31	Phytoremediated marine sediments as suitable peat-free growing media for production of red robin photinia (Photinia x fraseri). *Chemosphere*, **2018**, 201, 595-602	8.4	16
30	Use of earthworms (Eisenia fetida) to reduce phytotoxicity and promote humification of pre-composted olive oil mill wastewater. *Journal of the Science of Food and Agriculture*, **2010**, 90, 1879-85	4.3	16
29	Water erosion and soil properties patterns along selected rainfall events in cultivated and abandoned terraced fields under renaturalisation. *Catena*, **2017**, 155, 114-126	5.8	15
28	Bioremediation of polluted soil through the combined application of plants, earthworms and organic matter. *Journal of Environmental Monitoring*, **2012**, 14, 2710-7		15
27	Seasonal evolution of soil organic matter, glomalin and enzymes and potential for C storage after land abandonment and renaturalization processes in soils of NE Spain. *Catena*, **2018**, 162, 402-413	5.8	14
26	Rainfall/runoff/erosion relationships and soil properties survey in abandoned shallow soils of NE Spain. *Journal of Soils and Sediments*, **2017**, 17, 499-514	3.4	14
25	Remediated marine sediment as growing medium for lettuce production: assessment of agronomic performance and food safety in a pilot experiment. *Journal of the Science of Food and Agriculture*, **2019**, 99, 5624-5630	4.3	13
24	Effects of wild boar (Sus scrofa) grazing on soil properties in Mediterranean environment. *Catena*, **2012**, 98, 79-86	5.8	13
23	Combination of sediment washing and bioactivators as a potential strategy for dredged marine sediment recovery. *Ecological Engineering*, **2018**, 125, 26-37	3.9	13
22	Fertigation with Wastewater and Vermicompost: Soil Biochemical and Agronomic Implications. *Pedosphere*, **2014**, 24, 625-634	5	12
21	Stabilization process in reed bed systems for sludge treatment. *Ecological Engineering*, **2017**, 102, 381-389	3.9	11
20	Molecular tools to understand the bioremediation effect of plants and earthworms on contaminated marine sediments. *Journal of Hazardous Materials*, **2015**, 300, 398-405	12.8	10
19	Organic matter and pollutants monitoring in reed bed systems for sludge stabilization: a case study. *Environmental Science and Pollution Research*, **2015**, 22, 2447-54	5.1	10
18	Isoelectric focusing of β-glucosidase humic-bound activity in semi-arid Mediterranean soils under management practices. *Biology and Fertility of Soils*, **2012**, 48, 183-190	6.1	8

17	Functional gene expression of oil-degrading bacteria resistant to hexadecane toxicity. *Chemosphere* , **2013**, 93, 1424-9	8.4	8
16	The phytoremediation of an organic and inorganic polluted soil: A real scale experience. *International Journal of Phytoremediation*, **2016**, 18, 378-86	3.9	7
15	Potential of on-site vermicomposting of sewage sludge in soil quality improvement. *Desalination and Water Treatment*, **2010**, 23, 123-128		6
14	Soil Carbon in the World: Ecosystem Services Linked to Soil Carbon in Forest and Agricultural Soils **2018**, 1-38		5
13	Pollutant monitoring in sludge treatment wetlands. *Water Science and Technology*, **2011**, 64, 1558-65	2.2	5
12	Impact of natural zeolite on chemical and biochemical properties of vineyard soils. *Soil Use and Management*, **2020**,	3.1	5
11	Innovative system for biochemical monitoring of degraded soils restoration. *Catena*, **2017**, 152, 173-181	5.8	4
10	Susceptible soil organic matter, SOM, fractions to agricultural management practices in salt-affected soils. *Geoderma*, **2020**, 366, 114257	6.7	4
9	Pyrolysis-Gas Chromatography to Evaluate the Organic Matter Quality of Different Degraded Soil Ecosystems		4
8	Monitoring of a long term phytoremediation process of a soil contaminated by heavy metals and hydrocarbons in Tuscany. *Environmental Science and Pollution Research*, **2020**, 27, 424-437	5.1	4
7	Co-composting as a Management Strategy for Posidonia oceanica Residues and Dredged Sediments. *Waste and Biomass Valorization*, **2020**, 11, 4907-4919	3.2	4
6	Coupling vermiremediation with phytoremediation technology to enhance the efficiency of reclamation of polluted marine sediments. *International Journal of Global Environmental Issues*, **2010**, 10, 225	0.8	3
5	Short communication: Biochemically active humic substances in contrasting agricultural managements. *Spanish Journal of Agricultural Research*, **2016**, 14, e03SC01	1.1	1
4	Landfarming as a sustainable management strategy for fresh and phytoremediated sediment. *Environmental Science and Pollution Research*, **2021**, 28, 39692-39707	5.1	1
3	Recovery and environmental recycling of sediments: the experience of CNR-IRET Pisa. *Journal of Soils and Sediments*,1	3.4	0
2	Role of Humo-Enzyme Complexes in Restoring of Soil Ecosystems. *Environmental Science and Engineering*, **2011**, 21-35	0.2	
1	IEF Technique to Study the Glucosidase-Humic Complexes in Organic and Mineral Amended Soils. *Environmental Science and Engineering*, **2011**, 37-49	0.2	