Josef Kohler

List of Publications by Citations

28 papers	1,567 citations	20 h-index	28 g-index
28 ext. papers	1,763 ext. citations	5.8 avg, IF	4.54 L-index

#	Paper	IF	Citations
28	Induction of antioxidant enzymes is involved in the greater effectiveness of a PGPR versus AM fungi with respect to increasing the tolerance of lettuce to severe salt stress. *Environmental and Experimental Botany*, **2009**, 65, 245-252	5.9	273
27	Plant-growth-promoting rhizobacteria and arbuscular mycorrhizal fungi modify alleviation biochemical mechanisms in water-stressed plants. *Functional Plant Biology*, **2008**, 35, 141-151	2.7	250
26	Contribution of Pseudomonas mendocina and Glomus intraradices to aggregate stabilization and promotion of biological fertility in rhizosphere soil of lettuce plants under field conditions. *Soil Use and Management*, **2006**, 22, 298-304	3.1	118
25	Interactions between a plant growth-promoting rhizobacterium, an AM fungus and a phosphate-solubilising fungus in the rhizosphere of Lactuca sativa. *Applied Soil Ecology*, **2007**, 35, 480-487	5	115
24	An AM fungus and a PGPR intensify the adverse effects of salinity on the stability of rhizosphere soil aggregates of Lactuca sativa. *Soil Biology and Biochemistry*, **2010**, 42, 429-434	7.5	112
23	Biochar increases arbuscular mycorrhizal plant growth enhancement and ameliorates salinity stress. *Applied Soil Ecology*, **2015**, 96, 114-121	5	104
22	Poultry manure and banana waste are effective biofertilizer carriers for promoting plant growth and soil sustainability in banana crops. *Soil Biology and Biochemistry*, **2008**, 40, 3092-3095	7.5	62
21	Effect of drought on the stability of rhizosphere soil aggregates of Lactuca sativa grown in a degraded soil inoculated with PGPR and AM fungi. *Applied Soil Ecology*, **2009**, 42, 160-165	5	51
20	Soil biota effects on soil structure: Interactions between arbuscular mycorrhizal fungal mycelium and collembola. *Soil Biology and Biochemistry*, **2012**, 50, 33-39	7.5	49
19	Arbuscular mycorrhizal fungi--short-term liability but long-term benefits for soil carbon storage?. *New Phytologist*, **2013**, 197, 366-368	9.8	43
18	The combination of compost addition and arbuscular mycorrhizal inoculation produced positive and synergistic effects on the phytomanagement of a semiarid mine tailing. *Science of the Total Environment*, **2015**, 514, 42-8	10.2	42
17	Biochars reduce infection rates of the root-lesion nematode Pratylenchus penetrans and associated biomass loss in carrot. *Soil Biology and Biochemistry*, **2016**, 95, 11-18	7.5	40
16	Differential effects of Pseudomonas mendocina and Glomus intraradices on lettuce plants physiological response and aquaporin PIP2 gene expression under elevated atmospheric CO2 and drought. *Microbial Ecology*, **2009**, 58, 942-51	4.4	40
15	Interactive effects of root endophytes and arbuscular mycorrhizal fungi on an experimental plant community. *Oecologia*, **2014**, 174, 263-70	2.9	34
14	Elevated CO2 increases the effect of an arbuscular mycorrhizal fungus and a plant-growth-promoting rhizobacterium on structural stability of a semiarid agricultural soil under drought conditions. *Soil Biology and Biochemistry*, **2009**, 41, 1710-1716	7.5	34
13	A molecular approach to ascertain the success of "in situ" AM fungi inoculation in the revegetation of a semiarid, degraded land. *Science of the Total Environment*, **2011**, 409, 2874-80	10.2	26
12	Effects of elevated CO2, water stress, and inoculation with Glomus intraradices or Pseudomonas mendocina on lettuce dry matter and rhizosphere microbial and functional diversity under growth chamber conditions. *Journal of Soils and Sediments*, **2010**, 10, 1585-1597	3.4	25

11	Unraveling the role of hyphal networks from arbuscular mycorrhizal fungi in aggregate stabilization of semiarid soils with different textures and carbonate contents. *Plant and Soil*, **2017**, 410, 273-281	4.2	23
10	Comparative effects of native filamentous and arbuscular mycorrhizal fungi in the establishment of an autochthonous, leguminous shrub growing in a metal-contaminated soil. *Science of the Total Environment*, **2011**, 409, 1205-9	10.2	21
9	Suitability of the microbial community composition and function in a semiarid mine soil for assessing phytomanagement practices based on mycorrhizal inoculation and amendment addition. *Journal of Environmental Management*, **2016**, 169, 236-46	7.9	20
8	Earthworms can modify effects of hydrochar on growth of Plantago lanceolata and performance of arbuscular mycorrhizal fungi. *Pedobiologia*, **2013**, 56, 219-224	1.7	18
7	Selection of Plant Species Organic Amendment Combinations to Assure Plant Establishment and Soil Microbial Function Recovery in the Phytostabilization of a Metal-Contaminated Soil. *Water, Air, and Soil Pollution*, **2014**, 225, 1	2.6	17
6	Palatability of carbonized materials to Collembola. *Applied Soil Ecology*, **2013**, 64, 63-69	5	16
5	Impact of DOM from composted "alperujo" on soil structure, AM fungi, microbial activity and growth of Medicago sativa. *Waste Management*, **2008**, 28, 1423-31	8.6	11
4	Arbuscular mycorrhizal fungi negatively affect soil seed bank viability. *Ecology and Evolution*, **2016**, 6, 7683-7689	2.8	9
3	Addition of microbially-treated sugar beet residue and a native bacterium increases structural stability in heavy metal-contaminated Mediterranean soils. *Science of the Total Environment*, **2009**, 407, 5448-54	10.2	9
2	Arum-type of arbuscular mycorrhizae, dark septate endophytes and Olpidium spp. in fine roots of container-grown seedlings of Sorbus torminalis (Rosaceae). *Acta Societatis Botanicorum Poloniae*, **2016**, 85,	1.5	3
1	Assessing soil ecosystem processes biodiversity relationships in a nature reserve in Central Europe. *Plant and Soil*, **2018**, 424, 491-501	4.2	2