Fayez Raiesi

List of Publications by Year in descending order

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51 papers	2,363 citations	201575 27 h-index	214721 47 g-index
52 all docs	52 docs citations	52 times ranked	2495 citing authors

#	Article	IF	Citations
1	A minimum data set and soil quality index to quantify the effect of land use conversion on soil quality and degradation in native rangelands of upland arid and semiarid regions. Ecological Indicators, 2017, 75, 307-320.	2.6	190
2	Identification of soil quality indicators for assessing the effect of different tillage practices through a soil quality index in a semi-arid environment. Ecological Indicators, 2016, 71, 198-207.	2.6	131
3	Tillage effects on soil microbial biomass, SOM mineralization and enzyme activity in a semi-arid Calcixerepts. Agriculture, Ecosystems and Environment, 2016, 232, 73-84.	2.5	119
4	Carbon and N mineralization as affected by soil cultivation and crop residue in a calcareous wetland ecosystem in Central Iran. Agriculture, Ecosystems and Environment, 2006, 112, 13-20.	2.5	112
5	Soil specific enzyme activity shows more clearly soil responses to paddy rice cultivation than absolute enzyme activity in primary forests of northwest Iran. Applied Soil Ecology, 2014, 75, 63-70.	2.1	106
6	The adverse effects of soil salinization on the growth of Trifolium alexandrinum L. and associated microbial and biochemical properties in a soil from Iran. Soil Biology and Biochemistry, 2007, 39, 1699-1702.	4.2	92
7	The potential activity of soil extracellular enzymes as an indicator for ecological restoration of rangeland soils after agricultural abandonment. Applied Soil Ecology, 2018, 126, 140-147.	2.1	92
8	Microbiological indicators of soil quality and degradation following conversion of native forests to continuous croplands. Ecological Indicators, 2015, 50, 173-185.	2.6	91
9	Influence of biochar on potential enzyme activities in two calcareous soils of contrasting texture. Geoderma, 2017, 308, 149-158.	2.3	79
10	Soil microbial activity and litter turnover in native grazed and ungrazed rangelands in a semiarid ecosystem. Biology and Fertility of Soils, 2006, 43, 76-82.	2.3	78
11	The influence of grazing exclosure on soil C stocks and dynamics, and ecological indicators in upland arid and semi-arid rangelands. Ecological Indicators, 2014, 41, 145-154.	2.6	75
12	Responses of microbial performance and community to corn biochar in calcareous sandy and clayey soils. Applied Soil Ecology, 2017, 114, 16-27.	2.1	72
13	Soil properties and C dynamics in abandoned and cultivated farmlands in a semi-arid ecosystem. Plant and Soil, 2012, 351, 161-175.	1.8	69
14	Soil properties, C fractions and their dynamics in land use conversion from native forests to croplands in northern Iran. Agriculture, Ecosystems and Environment, 2012, 148, 121-133.	2.5	67
15	Six years of different tillage systems affected aggregate-associated SOM in a semi-arid loam soil from Central Iran. Soil and Tillage Research, 2015, 154, 114-125.	2.6	65
16	Response of soil alkaline phosphatase to biochar amendments: Changes in kinetic and thermodynamic characteristics. Geoderma, 2019, 337, 44-54.	2.3	58
17	The conversion of overgrazed pastures to almond orchards and alfalfa cropping systems may favor microbial indicators of soil quality in Central Iran. Agriculture, Ecosystems and Environment, 2007, 121, 309-318.	2.5	54
18	Interactions between phosphorus availability and an AM fungus (Glomus intraradices) and their effects on soil microbial respiration, biomass and enzyme activities in a calcareous soil. Pedobiologia, 2006, 50, 413-425.	0.5	51

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19	Interactive effect of salinity and cadmium toxicity on soil microbial properties and enzyme activities. Ecotoxicology and Environmental Safety, 2019, 168, 221-229.	2.9	51
20	The combined effects of earthworms and arbuscular mycorrhizal fungi on microbial biomass and enzyme activities in a calcareous soil spiked with cadmium. Applied Soil Ecology, 2014, 75, 33-42.	2.1	46
21	The effects of biochar on soil nutrients status, microbial activity and carbon sequestration potential in two calcareous soils. Biochar, 2021, 3, 105-116.	6.2	44
22	Plant roots and species moderate the salinity effect on microbial respiration, biomass, and enzyme activities in a sandy clay soil. Biology and Fertility of Soils, 2018, 54, 509-521.	2.3	41
23	Soil properties and N application effects on microbial activities in two winter wheat cropping systems. Biology and Fertility of Soils, 2004, 40, 88-92.	2.3	40
24	Mycorrhizal fungi and earthworms reduce antioxidant enzyme activities in maize and sunflower plants grown in Cd-polluted soils. Soil Biology and Biochemistry, 2015, 86, 87-97.	4.2	39
25	Characterization and Potentials of Indigenous Oil-Degrading Bacteria Inhabiting the Rhizosphere of Wild Oat (Avena Fatua L.) in South West of Iran.. Iranian Journal of Biotechnology, 2013, 11, 32-40.	0.3	34
26	Ecological restoration of soil respiration, microbial biomass and enzyme activities through broiler litter application in a calcareous soil cropped with silage maize. Ecological Engineering, 2013, 58, 266-277.	1.6	32
27	The influence of earthworm and mycorrhizal co-inoculation on Cd speciation in a contaminated soil. Soil Biology and Biochemistry, 2014, 78, 21-29.	4.2	31
28	Development of a soil quality index for characterizing effects of landâ€use changes on degradation and ecological restoration of rangeland soils in a semiâ€arid ecosystem. Land Degradation and Development, 2020, 31, 1533-1544.	1.8	30
29	The quantity and quality of soil organic matter and humic substances following dry-farming and subsequent restoration in an upland pasture. Catena, 2021, 202, 105249.	2.2	30
30	Salinity stress accelerates the effect of cadmium toxicity on soil N dynamics and cycling: Does joint effect of these stresses matter?. Ecotoxicology and Environmental Safety, 2018, 153, 160-167.	2.9	29
31	Land abandonment effect on N mineralization and microbial biomass N in a semi-arid calcareous soil from Iran. Journal of Arid Environments, 2012, 76, 80-87.	1.2	27
32	Biochar alleviates metal toxicity and improves microbial community functions in a soil co-contaminated with cadmium and lead. Biochar, 2021, 3, 485-498.	6.2	26
33	The significant contribution of mycorrhizal fungi and earthworms to maize protection and phytoremediation in Cd-polluted soils. Pedobiologia, 2014, 57, 223-233.	0.5	25
34	Soil C turnover, microbial biomass and respiration, and enzymatic activities following rangeland conversion to wheatâ€“alfalfa cropping in a semi-arid climate. Environmental Earth Sciences, 2014, 72, 5073-5088.	1.3	23
35	Sugarcane bagasse biochar modulates metal and salinity stresses on microbial functions and enzyme activities in saline co-contaminated soils. Applied Soil Ecology, 2021, 167, 104043.	2.1	23
36	Carbon and nitrogen mineralization kinetics as affected by tillage systems in a calcareous loam soil. Ecological Engineering, 2017, 106, 24-34.	1.6	21

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37	Evaluating forest soil quality after deforestation and loss of ecosystem services using network analysis and factor analysis techniques. Catena, 2022, 208, 105778.	2.2	21
38	Soil organic matter in restored rangelands following cessation of rainfed cropping in a mountainous semi-arid landscape. Nutrient Cycling in Agroecosystems, 2013, 96, 215-232.	1.1	18
39	Functionally dissimilar soil organisms improve growth and Pb/Zn uptake by Stachys inflata grown in a calcareous soil highly polluted with mining activities. Journal of Environmental Management, 2019, 247, 780-789.	3.8	18
40	The sublethal lead (Pb) toxicity to the earthworm Eisenia fetida (Annelida, Oligochaeta) as affected by NaCl salinity and manure addition in a calcareous clay loam soil during an indoor mesocosm experiment. Ecotoxicology and Environmental Safety, 2020, 190, 110083.	2.9	14
41	Compost application increases the ecological dose values in a non-calcareous agricultural soil contaminated with cadmium. Ecotoxicology, 2021, 30, 17-30.	1.1	13
42	The performance of mycorrhizae, rhizobacteria, and earthworms to improve Bermuda grass (Cynodon) Tj ETQq0 0 0 rgBT /Overlock 10 T Research, 2021, 28, 3019-3034.	2.7	13
43	Soil Chemical Properties and Growth and Nutrient Uptake of Maize Grown with Different Combinations of Broiler Litter and Chemical Fertilizer in a Calcareous Soil. Communications in Soil Science and Plant Analysis, 2013, 44, 3120-3136.	0.6	12
44	Bulk soil and particle size-associated C and N under grazed and ungrazed regimes in Mountainous arid and semi-arid rangelands. Nutrient Cycling in Agroecosystems, 2012, 93, 15-34.	1.1	11
45	Assessment of post-wildfire soil quality and its recovery in semi-arid upland rangelands in Central Iran through selecting the minimum data set and quantitative soil quality index. Catena, 2021, 201, 105202.	2.2	11
46	Sewage sludge application strongly modifies earthworm impact on microbial and biochemical attributes in a semi-arid calcareous soil from Iran. Applied Soil Ecology, 2016, 100, 45-56.	2.1	10
47	Salinization depresses soil enzyme activity in metal-polluted soils through increases in metal mobilization and decreases in microbial biomass. Ecotoxicology, 2021, 30, 1071-1083.	1.1	8
48	Salinity-induced changes in cadmium availability affect soil microbial and biochemical functions: Mitigating role of biochar. Chemosphere, 2021, 274, 129924.	4.2	8
49	Short-term effects of maize residueÂbiochar on kinetic and thermodynamic parameters of soil Î²-glucosidase. Biochar, 2019, 1, 213-227.	6.2	6
50	Developing a soil quality index model for assessing landscape-level soil quality along a toposequence in almond orchards using factor analysis. Modeling Earth Systems and Environment, 2022, 8, 4035-4050.	1.9	5
51	Soil phosphorus pools and cycling as affected by changing land-uses in a semi-steppe ecosystem. Nutrient Cycling in Agroecosystems, 2022, 122, 13.	1.1	2