Jeong-gu Lee

List of Publications by Year
in descending order

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20 papers	447 citations	759233 12 h-index	752698 20 g-index
20 all docs	20 docs citations	20 times ranked	395 citing authors

#	Article	IF	Citations
1	Synergistic Release of Crop Nutrients and Stimulants from Hydroxyapatite Nanoparticles Functionalized with Humic Substances: Toward a Multifunctional Nanofertilizer. ACS Omega, 2020, 5, 6598-6610.	3.5	65
2	Straw recycling in rice paddy: Trade-off between greenhouse gas emission and soil carbon stock increase. Soil and Tillage Research, 2020, 199, 104598.	5.6	48
3	Artificial humification of lignin architecture: Top-down and bottom-up approaches. Biotechnology Advances, 2019, 37, 107416.	11.7	46
4	Different response of plastic film mulching on greenhouse gas intensity (GHGI) between chemical and organic fertilization in maize upland soil. Science of the Total Environment, 2019, 696, 133827.	8.0	45
5	Depletion of soil organic carbon stocks are larger under plastic film mulching for maize. European Journal of Soil Science, 2019, 70, 807-818.	3.9	44
6	Composting and compost application: Trade-off between greenhouse gas emission and soil carbon sequestration in whole rice cropping system. Journal of Cleaner Production, 2019, 212, 1132-1142.	9.3	37
7	Impact of plastic film mulching on global warming in entire chemical and organic cropping systems: Life cycle assessment. Journal of Cleaner Production, 2021, 308, 127256.	9.3	25
8	Effect of plastic film mulching on maize productivity and nitrogen use efficiency under organic farming in South Korea. Science of the Total Environment, 2021, 787, 147503.	8.0	23
9	Strong mitigation of greenhouse gas emission impact via aerobic short pre-digestion of green manure amended soils during rice cropping. Science of the Total Environment, 2021, 761, 143193.	8.0	18
10	Evaluation of the carbon dioxide (CO2) emission factor from lime applied in temperate upland soil. Geoderma, 2019, 337, 742-748.	5.1	15
11	Silicate Fertilizer Amendment Alters Fungal Communities and Accelerates Soil Organic Matter Decomposition. Frontiers in Microbiology, 2019, 10, 2950.	3.5	14
12	Silicate fertilization improves microbial functional potentials for stress tolerance in arsenic-enriched rice cropping systems. Journal of Hazardous Materials, 2021, 417, 125953.	12.4	14
13	Agricultural nitrogen and phosphorus balances of Korea and Japan: Highest nutrient surplus among OECD member countries. Environmental Pollution, 2021, 286, 117353.	7.5	13
14	Green manure application accelerates soil organic carbon stock loss under plastic film mulching. Nutrient Cycling in Agroecosystems, 2020, 116, 257-269.	2.2	11
15	Recycling of ferrous slag in agriculture: Potentials and challenges. Critical Reviews in Environmental Science and Technology, 2022, 52, 1247-1281.	12.8	9
16	Cover cropping and its biomass incorporation: Not enough to compensate the negative impact of plastic film mulching on global warming. Science of the Total Environment, 2022, 807, 151015.	8.0	7
17	Unexpected high suppression of ammonia volatilization loss by plastic film mulching in Korean maize cropping system. Agriculture, Ecosystems and Environment, 2022, 335, 108022.	5.3	6
18	Importance of annual monitoring for evaluating the direct nitrous oxide emission factor in temperate mono-rice paddy fields. Applied Soil Ecology, 2019, 140, 42-48.	4.3	3

#	Article	IF	Citations
19	Assessing Changes in Soil Organic Matter Accumulation of Agricultural Field from 2013 to 2020 in South Korea. Han'guk T'oyang Piryo Hakhoe Chi Han'guk T'oyang Piryo Hakhoe, 2021, 54, 391-400.	0.9	2
20	Soil management priorities in Korea. Geoderma Regional, 2022, 29, e00516.	2.1	2