Sanchita Mandal

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/10654984/publications.pdf

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20 papers	2,609 citations	516710 16 h-index	940533 16 g-index
20 all docs	20 docs citations	20 times ranked	3381 citing authors

#	Article	IF	Citations
1	Revamping highly weathered soils in the tropics with biochar application: What we know and what is needed. Science of the Total Environment, 2022, 822, 153461.	8.0	22
2	Effects of contrasting biochars on the leaching of inorganic nitrogen from soil. Journal of Soils and Sediments, 2020, 20, 3017-3026.	3.0	24
3	Responses of ammonia volatilization from rice paddy soil to application of wood vinegar alone or combined with biochar. Chemosphere, 2020, 242, 125247.	8.2	50
4	Hydrochar reduced NH3 volatilization from rice paddy soil: Microbial-aging rather than water-washing is recommended before application. Journal of Cleaner Production, 2020, 268, 122233.	9.3	34
5	Floating duckweed mitigated ammonia volatilization and increased grain yield and nitrogen use efficiency of rice in biochar amended paddy soils. Chemosphere, 2019, 237, 124532.	8.2	38
6	Biochar with near-neutral pH reduces ammonia volatilization and improves plant growth in a soil-plant system: A closed chamber experiment. Science of the Total Environment, 2019, 697, 134114.	8.0	40
7	Effect of biochars on the bioavailability of cadmium and di-(2-ethylhexyl) phthalate to Brassica chinensis L. in contaminated soils. Science of the Total Environment, 2019, 678, 43-52.	8.0	77
8	Sustainable sludge management by removing emerging contaminants from urban wastewater using carbon nanotubes. , 2019, , 553-571.		12
9	A review on biochar modulated soil condition improvements and nutrient dynamics concerning crop yields: Pathways to climate change mitigation and global food security. Chemosphere, 2019, 227, 345-365.	8.2	204
10	The effect of biochar feedstock, pyrolysis temperature, and application rate on the reduction of ammonia volatilisation from biochar-amended soil. Science of the Total Environment, 2018, 627, 942-950.	8.0	105
11	Stabilization of Soil Organic Carbon as Influenced by Clay Mineralogy. Advances in Agronomy, 2018, 148, 33-84.	5.2	148
12	Designer carbon nanotubes for contaminant removal in water and wastewater: A critical review. Science of the Total Environment, 2018, 612, 561-581.	8.0	237
13	Clay Mineralsâ€"Organic Matter Interactions in Relation to Carbon Stabilization in Soils. , 2018, , 71-86.		27
14	Enhancement of chromate reduction in soils by surface modified biochar. Journal of Environmental Management, 2017, 186, 277-284.	7.8	124
15	Use of Soil Amendments in an Integrated Framework for Adaptive Resource Management in Agriculture and Forestry. , 2017, , 143-159.		1
16	Advances and future directions of biochar characterization methods and applications. Critical Reviews in Environmental Science and Technology, 2017, 47, 2275-2330.	12.8	194
17	Characterization and Improvement in Physical, Chemical, and Biological Properties of Mine Wastes. , 2017, , 3-15.		3
18	Designing advanced biochar products for maximizing greenhouse gas mitigation potential. Critical Reviews in Environmental Science and Technology, 2016, 46, 1367-1401.	12.8	86

#	Article	IF	Citations
19	Engineered/designer biochar for contaminant removal/immobilization from soil and water: Potential and implication of biochar modification. Chemosphere, 2016, 148, 276-291.	8.2	959
20	Biochar-induced concomitant decrease in ammonia volatilization and increase in nitrogen use efficiency by wheat. Chemosphere, 2016, 142, 120-127.	8.2	224