

Sanchita Mandal

List of Publications by Year in descending order

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

Version: 2024-02-01

20
papers

2,609
citations

586496

16
h-index

1051228

16
g-index

20
all docs

20
docs citations

20
times ranked

3852
citing authors

#	ARTICLE	IF	CITATIONS
1	Revamping highly weathered soils in the tropics with biochar application: What we know and what is needed. <i>Science of the Total Environment</i> , 2022, 822, 153461.	3.9	22
2	Effects of contrasting biochars on the leaching of inorganic nitrogen from soil. <i>Journal of Soils and Sediments</i> , 2020, 20, 3017-3026.	1.5	24
3	Responses of ammonia volatilization from rice paddy soil to application of wood vinegar alone or combined with biochar. <i>Chemosphere</i> , 2020, 242, 125247.	4.2	50
4	Hydrochar reduced NH ₃ volatilization from rice paddy soil: Microbial-aging rather than water-washing is recommended before application. <i>Journal of Cleaner Production</i> , 2020, 268, 122233.	4.6	34
5	Floating duckweed mitigated ammonia volatilization and increased grain yield and nitrogen use efficiency of rice in biochar amended paddy soils. <i>Chemosphere</i> , 2019, 237, 124532.	4.2	38
6	Biochar with near-neutral pH reduces ammonia volatilization and improves plant growth in a soil-plant system: A closed chamber experiment. <i>Science of the Total Environment</i> , 2019, 697, 134114.	3.9	40
7	Effect of biochars on the bioavailability of cadmium and di-(2-ethylhexyl) phthalate to <i>Brassica chinensis</i> L. in contaminated soils. <i>Science of the Total Environment</i> , 2019, 678, 43-52.	3.9	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. <i>Chemosphere</i> , 2019, 227, 345-365.	4.2	204
10	The effect of biochar feedstock, pyrolysis temperature, and application rate on the reduction of ammonia volatilisation from biochar-amended soil. <i>Science of the Total Environment</i> , 2018, 627, 942-950.	3.9	105
11	Stabilization of Soil Organic Carbon as Influenced by Clay Mineralogy. <i>Advances in Agronomy</i> , 2018, 148, 33-84.	2.4	148
12	Designer carbon nanotubes for contaminant removal in water and wastewater: A critical review. <i>Science of the Total Environment</i> , 2018, 612, 561-581.	3.9	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. <i>Journal of Environmental Management</i> , 2017, 186, 277-284.	3.8	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. <i>Critical Reviews in Environmental Science and Technology</i> , 2017, 47, 2275-2330.	6.6	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. <i>Critical Reviews in Environmental Science and Technology</i> , 2016, 46, 1367-1401.	6.6	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.	4.2	959
20	Biochar-induced concomitant decrease in ammonia volatilization and increase in nitrogen use efficiency by wheat. Chemosphere, 2016, 142, 120-127.	4.2	224