

Ali El-Naggar

List of Publications by Year in descending order

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Version: 2024-02-01

32
papers

2,924
citations

279778

23
h-index

477281

29
g-index

32
all docs

32
docs citations

32
times ranked

2478
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 1 | Antimony contamination and its risk management in complex environmental settings: A review. Environment International, 2022, 158, 106908. | 10.0 | 125 |
| 2 | Enhanced sorption of trivalent antimony by chitosan-loaded biochar in aqueous solutions: Characterization, performance and mechanisms. Journal of Hazardous Materials, 2022, 425, 127971. | 12.4 | 89 |
| 3 | Manganese oxide-modified biochar: production, characterization and applications for the removal of pollutants from aqueous environments - a review. Bioresource Technology, 2022, 346, 126581. | 9.6 | 60 |
| 4 | Ecotoxicological assessment of toxic elements contamination in mangrove ecosystem along the Red Sea coast, Egypt. Marine Pollution Bulletin, 2022, 176, 113446. | 5.0 | 11 |
| 5 | Thallium isotopic compositions as tracers in environmental studies: A review. Environment International, 2022, 162, 107148. | 10.0 | 15 |
| 6 | Biochar effectively remediates Cd contamination in acidic or coarse- and medium-textured soils: A global meta-analysis. Chemical Engineering Journal, 2022, 442, 136225. | 12.7 | 25 |
| 7 | Modified and pristine biochars for remediation of chromium contamination in soil and aquatic systems. Chemosphere, 2022, 303, 134942. | 8.2 | 26 |
| 8 | Biochar for remediation of alkaline soils contaminated with toxic elements. , 2022, , 223-240. | | 0 |
| 9 | Converting rice husk to biochar reduces bamboo soil N ₂ O emissions under different forms and rates of nitrogen additions. Environmental Science and Pollution Research, 2021, 28, 28777-28788. | 5.3 | 8 |
| 10 | Biochar Surface Functionality Plays a Vital Role in (Im)Mobilization and Phytoavailability of Soil Vanadium. ACS Sustainable Chemistry and Engineering, 2021, 9, 6864-6874. | 6.7 | 35 |
| 11 | Phosphate-lanthanum coated sewage sludge biochar improved the soil properties and growth of ryegrass in an alkaline soil. Ecotoxicology and Environmental Safety, 2021, 216, 112173. | 6.0 | 21 |
| 12 | Use of biochar to reduce mercury accumulation in Oryza sativa L: A trial for sustainable management of historically polluted farmlands. Environment International, 2021, 153, 106527. | 10.0 | 61 |
| 13 | A combined management scheme to simultaneously mitigate As and Cd concentrations in rice cultivated in contaminated paddy soil. Journal of Hazardous Materials, 2021, 416, 125837. | 12.4 | 35 |
| 14 | Nickel in soil and water: Sources, biogeochemistry, and remediation using biochar. Journal of Hazardous Materials, 2021, 419, 126421. | 12.4 | 65 |
| 15 | (Im)mobilization of arsenic, chromium, and nickel in soils via biochar: A meta-analysis. Environmental Pollution, 2021, 286, 117199. | 7.5 | 40 |
| 16 | Mechanistic insights into the (im)mobilization of arsenic, cadmium, lead, and zinc in a multi-contaminated soil treated with different biochars. Environment International, 2021, 156, 106638. | 10.0 | 61 |
| 17 | Evaluation of potential ecological risks in potential toxic elements contaminated agricultural soils: Correlations between soil contamination and polymetallic mining activity. Journal of Environmental Management, 2021, 300, 113679. | 7.8 | 28 |
| 18 | Biochar-induced metal immobilization and soil biogeochemical process: An integrated mechanistic approach. Science of the Total Environment, 2020, 698, 134112. | 8.0 | 139 |

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 19 | Release of toxic elements in fishpond sediments under dynamic redox conditions: Assessing the potential environmental risk for a safe management of fisheries systems and degraded waterlogged sediments. <i>Journal of Environmental Management</i> , 2020, 255, 109778. | 7.8 | 29 |
| 20 | Redox-induced mobilization of Ag, Sb, Sn, and Tl in the dissolved, colloidal and solid phase of a biochar-treated and un-treated mining soil. <i>Environment International</i> , 2020, 140, 105754. | 10.0 | 104 |
| 21 | Transformation pathways and fate of engineered nanoparticles (ENPs) in distinct interactive environmental compartments: A review. <i>Environment International</i> , 2020, 138, 105646. | 10.0 | 238 |
| 22 | Biochar composition-dependent impacts on soil nutrient release, carbon mineralization, and potential environmental risk: A review. <i>Journal of Environmental Management</i> , 2019, 241, 458-467. | 7.8 | 249 |
| 23 | Management of biosolids-derived hydrochar (Sewchar): Effect on plant germination, and farmers' acceptance. <i>Journal of Environmental Management</i> , 2019, 237, 200-214. | 7.8 | 48 |
| 24 | Dissolved organic matter characterization of biochars produced from different feedstock materials. <i>Journal of Environmental Management</i> , 2019, 233, 393-399. | 7.8 | 104 |
| 25 | Release dynamics of As, Co, and Mo in a biochar treated soil under pre-definite redox conditions. <i>Science of the Total Environment</i> , 2019, 657, 686-695. | 8.0 | 69 |
| 26 | Effect of gasification biochar application on soil quality: Trace metal behavior, microbial community, and soil dissolved organic matter. <i>Journal of Hazardous Materials</i> , 2019, 365, 684-694. | 12.4 | 156 |
| 27 | Biochar as an (Im)mobilizing Agent for the Potentially Toxic Elements in Contaminated Soils. , 2019, , 255-274. | | 13 |
| 28 | Biochar application to low fertility soils: A review of current status, and future prospects. <i>Geoderma</i> , 2019, 337, 536-554. | 5.1 | 571 |
| 29 | Biochar influences soil carbon pools and facilitates interactions with soil: A field investigation. <i>Land Degradation and Development</i> , 2018, 29, 2162-2171. | 3.9 | 89 |
| 30 | Biochar affects the dissolved and colloidal concentrations of Cd, Cu, Ni, and Zn and their phytoavailability and potential mobility in a mining soil under dynamic redox-conditions. <i>Science of the Total Environment</i> , 2018, 624, 1059-1071. | 8.0 | 201 |
| 31 | Influence of soil properties and feedstocks on biochar potential for carbon mineralization and improvement of infertile soils. <i>Geoderma</i> , 2018, 332, 100-108. | 5.1 | 206 |
| 32 | Potential of Biochar to Immobilize Nickel in Contaminated Soils. , 2018, , 293-318. | | 3 |