

# Anna Grosser

## List of Publications by Year in descending order

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Version: 2024-02-01

33  
papers

1,497  
citations

430754

18  
h-index

434063

31  
g-index

35  
all docs

35  
docs citations

35  
times ranked

1867  
citing authors

| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 1  | Sewage sludge disposal strategies for sustainable development. <i>Environmental Research</i> , 2017, 156, 39-46.   | 3.7 | 537       |
| 2  | Management of poultry manure in Poland – Current state and future perspectives. <i>Journal of Environmental Management</i> , 2020, 264, 110327.  | 3.8 | 102       |
| 3  | Effects of single sewage sludge application on soil phytoremediation. <i>Journal of Cleaner Production</i> , 2017, 155, 189-197.   | 4.6 | 84        |
| 4  | Determination of the performance of vermicomposting process applied to sewage sludge by monitoring of the compost quality and immune responses in three earthworm species: <i>Eisenia fetida</i> , <i>Eisenia andrei</i> and <i>Dendrobaena veneta</i> . <i>Bioresource Technology</i> , 2017, 241, 103-112. | 4.8 | 69        |
| 5  | Vermiremediation of polycyclic aromatic hydrocarbons and heavy metals in sewage sludge composting process. <i>Journal of Environmental Management</i> , 2017, 187, 347-353.  | 3.8 | 64        |
| 6  | Circular Economy in Wastewater Treatment Plant – Challenges and Barriers. <i>Proceedings (mdpi)</i> , 2018, 2, .   | 0.2 | 63        |
| 7  | Sewage sludge processing and management in small and medium-sized municipal wastewater treatment plant-new technical solution. <i>Journal of Environmental Management</i> , 2019, 234, 90-96.  | 3.8 | 57        |
| 8  | Anaerobic digestion of sewage sludge with grease trap sludge and municipal solid waste as co-substrates. <i>Environmental Research</i> , 2017, 155, 249-260.   | 3.7 | 52        |
| 9  | Enhancement of biogas production from sewage sludge by addition of grease trap sludge. <i>Energy Conversion and Management</i> , 2016, 125, 301-308.   | 4.4 | 50        |
| 10 | Interactions between sewage sludge-amended soil and earthworms – comparison between <i>Eisenia fetida</i> and <i>Eisenia andrei</i> composting species. <i>Environmental Science and Pollution Research</i> , 2016, 23, 3026-3035.   | 2.7 | 43        |
| 11 | Plant growth-promoting rhizobacteria as an alternative to mineral fertilizers in assisted bioremediation - Sustainable land and waste management. <i>Journal of Environmental Management</i> , 2018, 227, 1-9.   | 3.8 | 41        |
| 12 | Determination of methane potential of mixtures composed of sewage sludge, organic fraction of municipal waste and grease trap sludge using biochemical methane potential assays. A comparison of BMP tests and semi-continuous trial results. <i>Energy</i> , 2018, 143, 488-499.                            | 4.5 | 40        |
| 13 | The influence of decreased hydraulic retention time on the performance and stability of co-digestion of sewage sludge with grease trap sludge and organic fraction of municipal waste. <i>Journal of Environmental Management</i> , 2017, 203, 1143-1157.  | 3.8 | 34        |
| 14 | Efficacy of Biosolids in Assisted Phytostabilization of Metalliferous Acidic Sandy Soils with Five Grass Species. <i>International Journal of Phytoremediation</i> , 2014, 16, 593-608.  | 1.7 | 32        |
| 15 | Sewage sludge and fat rich materials co-digestion - Performance and energy potential. <i>Journal of Cleaner Production</i> , 2018, 198, 1076-1089.   | 4.6 | 32        |
| 16 | Effects of silver nanoparticles on performance of anaerobic digestion of sewage sludge and associated microbial communities. <i>Renewable Energy</i> , 2021, 171, 1014-1025.   | 4.3 | 28        |
| 17 | Gene expression, DNA damage and other stress markers in <i>Sinapis alba</i> L. exposed to heavy metals with special reference to sewage sludge application on contaminated sites. <i>Ecotoxicology and Environmental Safety</i> , 2019, 181, 508-517.  | 2.9 | 26        |
| 18 | Cycles of carbon, nitrogen and phosphorus in poultry manure management technologies – environmental aspects. <i>Critical Reviews in Environmental Science and Technology</i> , 2023, 53, 914-938.  | 6.6 | 23        |

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|----|---|-----|-----------|
| 19 | The Impact of PAHs Contamination on the Physicochemical Properties and Microbiological Activity of Industrial Soils. Polycyclic Aromatic Compounds, 2015, 35, 372-386.                            | 1.4 | 17        |
| 20 | Transfer of sulfidized silver from silver nanoparticles, in sewage sludge, to plants and primary consumers in agricultural soil environment. Science of the Total Environment, 2021, 777, 145900. | 3.9 | 16        |
| 21 | The potential of biosolid application for the phytostabilisation of metals. Desalination and Water Treatment, 2014, 52, 3955-3964.  | 1.0 | 14        |
| 22 | Ultrasound-Assisted Treatment of Landfill Leachate in a Sequencing Batch Reactor. Water (Switzerland), 2019, 11, 516.   | 1.2 | 14        |
| 23 | Medium-term effects of Ag supplied directly or via sewage sludge to an agricultural soil on Eisenia fetida earthworm and soil microbial communities. Chemosphere, 2021, 269, 128761.              | 4.2 | 12        |
| 24 | The influence of grease trap sludge sterilization on the performance of anaerobic co-digestion of sewage sludge. Renewable Energy, 2020, 161, 988-997.  | 4.3 | 10        |
| 25 | Boosting production of methane from sewage sludge by addition of grease trap sludge. Environmental Protection Engineering, 2013, 39, .  | 0.1 | 8         |
| 26 | Biogas production by thermal hydrolysis and thermophilic anaerobic digestion of waste-activated sludge. , 2019, , 741-781.  |     | 7         |
| 27 | Pretreatment methods as a means of boosting methane production from sewage sludge and its mixtures with grease trap sludge. E3S Web of Conferences, 2017, 22, 00058.                              | 0.2 | 6         |
| 28 | Conversion of Sewage Sludge and Other Biodegradable Waste into High-Value Soil Amendment within a Circular Bioeconomy Perspective. Energies, 2021, 14, 6953.                                      | 1.6 | 5         |
| 29 | Treatment of Landfill Leachate Using Ultrasound Assisted SBR Reactor. Proceedings (mdpi), 2018, 2, 648.   | 0.2 | 3         |
| 30 | Biogas (methane production) and energy recovery from different sludges. , 2019, , 705-740.  |     | 2         |
| 31 | Fate of Engineered Nanoparticles in Wastewater Treatment Plant. Engineering and Protection of Environment, 2016, 19, 577-587.   | 0.3 | 2         |
| 32 | Biomethane Potential of Selected Organic Waste and Sewage Sludge at Different Temperature Regimes. Energies, 2021, 14, 4217.  | 1.6 | 1         |
| 33 | Removal of total petroleum hydrocarbons from wastewater and sewage sludge generated in oil separators and evaluation of the process efficiency. , 0, 199, 205-211.                                |     | 1         |