

# Margherita Silvetti

## List of Publications by Year in descending order

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Version: 2024-02-01

21  
papers

907  
citations

471509

17  
h-index

713466

21  
g-index

21  
all docs

21  
docs citations

21  
times ranked

921  
citing authors

| #  | ARTICLE  | IF   | CITATIONS |
|----|--|------|-----------|
| 1  | XRD, FTIR, and thermal analysis of bauxite ore-processing waste (red mud) exchanged with heavy metals. <i>Clays and Clay Minerals</i> , 2008, 56, 461-469.   | 1.3  | 96        |
| 2  | Copper(II) and lead(II) removal from aqueous solution by water treatment residues. <i>Journal of Hazardous Materials</i> , 2015, 283, 140-147.   | 12.4 | 83        |
| 3  | Influence of pea and wheat growth on Pb, Cd, and Zn mobility and soil biological status in a polluted amended soil. <i>Geoderma</i> , 2009, 151, 241-248.  | 5.1  | 81        |
| 4  | Long-term influence of red mud on As mobility and soil physico-chemical and microbial parameters in a polluted sub-acidic soil. <i>Journal of Hazardous Materials</i> , 2011, 185, 1241-1248.  | 12.4 | 77        |
| 5  | Study of sorption processes and FT-IR analysis of arsenate sorbed onto red muds (a bauxite ore) Tj ETQq1 1 0.784314 rgBT / Overlock 10   | 12.4 | 74        |
| 6  | Stabilising metal(loid)s in soil with iron and aluminium-based products: Microbial, biochemical and plant growth impact. <i>Journal of Environmental Management</i> , 2014, 139, 146-153.  | 7.8  | 60        |
| 7  | Use of municipal solid wastes for chemical and microbiological recovery of soils contaminated with metal(loid)s. <i>Soil Biology and Biochemistry</i> , 2017, 111, 25-35.  | 8.8  | 47        |
| 8  | Water treatment residues as accumulators of oxoanions in soil. Sorption of arsenate and phosphate anions from an aqueous solution. <i>Journal of Hazardous Materials</i> , 2014, 264, 144-152.   | 12.4 | 44        |
| 9  | Influence of the pH on the accumulation of phosphate by red mud (a bauxite ore processing waste). <i>Journal of Hazardous Materials</i> , 2010, 182, 266-272.  | 12.4 | 42        |
| 10 | Leachability, bioaccessibility and plant availability of trace elements in contaminated soils treated with industrial by-products and subjected to oxidative/reductive conditions. <i>Geoderma</i> , 2014, 214-215, 204-212.   | 5.1  | 41        |
| 11 | Municipal solid wastes as a resource for environmental recovery: Impact of water treatment residuals and compost on the microbial and biochemical features of As and trace metal-polluted soils. <i>Ecotoxicology and Environmental Safety</i> , 2019, 174, 445-454. | 6.0  | 39        |
| 12 | Mutual effect of <i>Phragmites australis</i> , <i>Arundo donax</i> and immobilization agents on arsenic and trace metals phytostabilization in polluted soils. <i>Geoderma</i> , 2018, 314, 63-72.   | 5.1  | 37        |
| 13 | Municipal solid waste compost as a novel sorbent for antimony(V): adsorption and release trials at acidic pH. <i>Environmental Science and Pollution Research</i> , 2018, 25, 5603-5615.   | 5.3  | 33        |
| 14 | Influence of iron-rich water treatment residues and compost on the mobility of metal(loid)s in mine soils. <i>Geoderma</i> , 2016, 283, 1-9.   | 5.1  | 31        |
| 15 | Study of the Interaction Mechanism in the Biosorption of Copper(II) Ions onto <i>Posidonia oceanica</i> and Peat. <i>Clean - Soil, Air, Water</i> , 2012, 40, 428-437.   | 1.1  | 26        |
| 16 | Influence of lead in the sorption of arsenate by municipal solid waste composts: metal(loid) retention, desorption and phytotoxicity. <i>Bioresource Technology</i> , 2017, 225, 90-98.  | 9.6  | 25        |
| 17 | Arsenic Mobilization by Citrate and Malate from a Red Mud-Treated Contaminated Soil. <i>Journal of Environmental Quality</i> , 2013, 42, 774-781.  | 2.0  | 19        |
| 18 | Sorption of Cadmium(II) and Zinc(II) from Aqueous Solution by Water Treatment Residuals at Different pH Values. <i>Water, Air, and Soil Pollution</i> , 2015, 226, 1.  | 2.4  | 18        |

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|----|---|-----|-----------|
| 19 | Sorption of Pb, Cu, Cd, and Zn by Municipal Solid Waste Composts: Metal Retention and Desorption Mechanisms. <i>Clean - Soil, Air, Water</i> , 2017, 45, .                  | 1.1 | 13        |
| 20 | X-ray Diffraction and Thermal Analysis of Bauxite Ore-Processing Waste (Red Mud) Exchanged with Arsenate and Phosphate. <i>Clays and Clay Minerals</i> , 2011, 59, 189-199. | 1.3 | 12        |
| 21 | Interaction of the water soluble fraction of MSW-composts with Pb(II) and Cu(II) ions. <i>Journal of Environmental Management</i> , 2017, 192, 39-47.                       | 7.8 | 9         |