

# Niloofar Karimian

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6436455/publications.pdf>

Version: 2024-02-01

22  
papers

860  
citations

516710

16  
h-index

677142

22  
g-index

22  
all docs

22  
docs citations

22  
times ranked

711  
citing authors

| #  | ARTICLE   | IF   | CITATIONS |
|----|---|------|-----------|
| 1  | Iron and sulfur cycling in acid sulfate soil wetlands under dynamic redox conditions: A review. <i>Chemosphere</i> , 2018, 197, 803-816.  | 8.2  | 150       |
| 2  | Antimony and Arsenic Behavior during Fe(II)-Induced Transformation of Jarosite. <i>Environmental Science &amp; Technology</i> , 2017, 51, 4259-4268.  | 10.0 | 97        |
| 3  | Antimony and arsenic speciation, redox-cycling and contrasting mobility in a mining-impacted river system. <i>Science of the Total Environment</i> , 2020, 710, 136354.                                   | 8.0  | 83        |
| 4  | Antimony mobility in reducing environments: The effect of microbial iron(III)-reduction and associated secondary mineralization. <i>Geochimica Et Cosmochimica Acta</i> , 2019, 245, 278-289.             | 3.9  | 77        |
| 5  | Antimony Sorption to Goethite: Effects of Fe(II)-Catalyzed Recrystallization. <i>ACS Earth and Space Chemistry</i> , 2020, 4, 476-487.  | 2.7  | 62        |
| 6  | Antimony and arsenic partitioning during Fe <sup>2+</sup> -induced transformation of jarosite under acidic conditions. <i>Chemosphere</i> , 2018, 195, 515-523.   | 8.2  | 53        |
| 7  | Humic acid impacts antimony partitioning and speciation during iron(II)-induced ferrihydrite transformation. <i>Science of the Total Environment</i> , 2019, 683, 399-410.                                | 8.0  | 50        |
| 8  | Antimony speciation and mobility during Fe(II)-induced transformation of humic acid-antimony(V)-iron(III) coprecipitates. <i>Environmental Pollution</i> , 2019, 254, 113112.                             | 7.5  | 38        |
| 9  | Arsenic-Imposed Effects on Schwertmannite and Jarosite Formation in Acid Mine Drainage and Coupled Impacts on Arsenic Mobility. <i>ACS Earth and Space Chemistry</i> , 2021, 5, 1418-1435.                | 2.7  | 35        |
| 10 | Effect of cyclic redox oscillations on water quality in freshwater acid sulfate soil wetlands. <i>Science of the Total Environment</i> , 2017, 581-582, 314-327.  | 8.0  | 31        |
| 11 | Impact of Antimony(V) on Iron(II)-Catalyzed Ferrihydrite Transformation Pathways: A Novel Mineral Switch for Ferrihydrite Formation. <i>Environmental Science &amp; Technology</i> , 2021, 55, 4954-4963. | 10.0 | 27        |
| 12 | A new pathway for hexavalent chromium formation in soil: Fire-induced alteration of iron oxides. <i>Environmental Pollution</i> , 2019, 247, 618-625.   | 7.5  | 24        |
| 13 | Chromium(VI) formation via heating of Cr(III)-Fe(III)-(oxy)hydroxides: A pathway for fire-induced soil pollution. <i>Chemosphere</i> , 2019, 222, 440-444.  | 8.2  | 21        |
| 14 | Acidity generation accompanying iron and sulfur transformations during drought simulation of freshwater re-flooded acid sulfate soils. <i>Geoderma</i> , 2017, 285, 117-131.                              | 5.1  | 20        |
| 15 | Rapid arsenic(V)-reduction by fire in schwertmannite-rich soil enhances arsenic mobilisation. <i>Geochimica Et Cosmochimica Acta</i> , 2018, 227, 1-18.   | 3.9  | 19        |
| 16 | Fire Promotes Arsenic Mobilization and Rapid Arsenic(III) Formation in Soil via Thermal Alteration of Arsenic-Bearing Iron Oxides. <i>Frontiers in Earth Science</i> , 2019, 7, .                         | 1.8  | 19        |
| 17 | Seasonal Temperature Oscillations Drive Contrasting Arsenic and Antimony Mobilization in a Mining-impacted River System. <i>Water Resources Research</i> , 2020, 56, e2020WR028196.                       | 4.2  | 12        |
| 18 | Antimonate Controls Manganese(II)-Induced Transformation of Birnessite at a Circumneutral pH. <i>Environmental Science &amp; Technology</i> , 2021, 55, 9854-9863.  | 10.0 | 10        |

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|----|---|------|-----------|
| 19 | Reductive transformation of birnessite and the mobility of co-associated antimony. Journal of Hazardous Materials, 2021, 404, 124227.   | 12.4 | 9         |
| 20 | An X-ray absorption spectroscopic study of the Fe(II)-induced transformation of Cr(VI)-substituted schwertmannite. Journal of Hazardous Materials, 2022, 431, 128580.   | 12.4 | 8         |
| 21 | Remediation of Pb-contaminated soil using modified bauxite refinery residue. Journal of Hazardous Materials, 2022, 437, 129339.   | 12.4 | 8         |
| 22 | Effect of converter sludge, and its mixtures with organic matter, elemental sulfur and sulfuric acid on availability of iron, phosphorus and manganese of 3 calcareous soils from central Iran. African Journal of Agricultural Research Vol Pp, 2012, 7, . | 0.5  | 7         |