

Sabrina Kelch

List of Publications by Year in descending order

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Version: 2024-02-01

15
papers

599
citations

758635

12
h-index

996533

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all docs

15
docs citations

15
times ranked

802
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | Phosphonate herbicide interactions with quartz, montmorillonite, and quartz-enriched agricultural soil. <i>Soil Science Society of America Journal</i> , 2022, 86, 209-223. | 1.2 | 4 |
| 2 | Probing the Fate of Different Structures of Beta-Lactam Antibiotics: Hydrolysis, Mineral Capture, and Influence of Organic Matter. <i>ACS Earth and Space Chemistry</i> , 2021, 5, 1511-1524. | 1.2 | 17 |
| 3 | Quantitative Spectroscopic Analysis of Water Populations in the Hydrated Nanopore Environments of a Natural Montmorillonite. <i>Journal of Physical Chemistry C</i> , 2021, 125, 26552-26565. | 1.5 | 3 |
| 4 | Abiotic phosphorus recycling from adsorbed ribonucleotides on a ferrihydrite-type mineral: Probing solution and surface species. <i>Journal of Colloid and Interface Science</i> , 2019, 547, 171-182. | 5.0 | 19 |
| 5 | Oxalate-enhanced solubility of lead (Pb) in the presence of phosphate: pH control on mineral precipitation. <i>Environmental Sciences: Processes and Impacts</i> , 2019, 21, 738-747. | 1.7 | 23 |
| 6 | Structures and mechanisms in clay nanopore trapping of structurally-different fluoroquinolone antimicrobials. <i>Journal of Colloid and Interface Science</i> , 2018, 513, 367-378. | 5.0 | 28 |
| 7 | Sugar-influenced water diffusion, interaction, and retention in clay interlayer nanopores probed by theoretical simulations and experimental spectroscopies. <i>Advances in Water Resources</i> , 2017, 106, 24-38. | 1.7 | 10 |
| 8 | Solubility, structure, and morphology in the co-precipitation of cadmium and zinc with calcium-oxalate. <i>Journal of Colloid and Interface Science</i> , 2017, 486, 309-315. | 5.0 | 25 |
| 9 | Adsorption mechanisms of microcystin variant conformations at water-mineral interfaces: A molecular modeling investigation. <i>Journal of Colloid and Interface Science</i> , 2016, 480, 166-174. | 5.0 | 28 |
| 10 | Enhanced interlayer trapping of a tetracycline antibiotic within montmorillonite layers in the presence of Ca and Mg. <i>Journal of Colloid and Interface Science</i> , 2016, 464, 153-159. | 5.0 | 64 |
| 11 | Complexes of the antimicrobial ciprofloxacin with soil, peat, and aquatic humic substances. <i>Environmental Toxicology and Chemistry</i> , 2013, 32, 1467-1478. | 2.2 | 60 |
| 12 | Interstratification Patterns from the pH-Dependent Intercalation of a Tetracycline Antibiotic within Montmorillonite Layers. <i>Langmuir</i> , 2013, 29, 4492-4501. | 1.6 | 28 |
| 13 | Binding of ciprofloxacin by humic substances: A molecular dynamics study. <i>Environmental Toxicology and Chemistry</i> , 2010, 29, 90-98. | 2.2 | 76 |
| 14 | Interactions of Oxytetracycline with a Smectite Clay: A Spectroscopic Study with Molecular Simulations. <i>Environmental Science & Technology</i> , 2010, 44, 7839-7845. | 4.6 | 159 |
| 15 | Molecular modeling of metal complexation by a fluoroquinolone antibiotic. <i>Environmental Toxicology and Chemistry</i> , 2008, 27, 2304-2310. | 2.2 | 55 |