

Stephen E Cabaniss

List of Publications by Year in descending order

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46
papers

2,659
citations

172457

29
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223800

46
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46
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46
docs citations

46
times ranked

2459
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 1 | Forward Modeling of Metal Complexation by NOM: II. Prediction of Binding Site Properties. <i>Environmental Science & Technology</i> , 2011, 45, 3202-3209. | 10.0 | 98 |
| 2 | Predicting total organic halide formation from drinking water chlorination using quantitative structureâ€“property relationships. <i>SAR and QSAR in Environmental Research</i> , 2011, 22, 667-680. | 2.2 | 5 |
| 3 | Equilibrium modeling of U(VI) speciation in high carbonate groundwaters: Model error and propagation of uncertainty. <i>Applied Geochemistry</i> , 2011, 26, 2019-2026. | 3.0 | 8 |
| 4 | Mercury in Natural Waters: A Mini-Review. <i>Environmental Forensics</i> , 2011, 12, 14-18. | 2.6 | 44 |
| 5 | QSPR for predicting chloroform formation in drinking water disinfection. <i>SAR and QSAR in Environmental Research</i> , 2011, 22, 489-504. | 2.2 | 4 |
| 6 | Quantitative Structureâ”Property Relationship for Predicting Chlorine Demand by Organic Molecules. <i>Environmental Science & Technology</i> , 2010, 44, 2503-2508. | 10.0 | 18 |
| 7 | Forward Modeling of Metal Complexation by NOM: I. <i>A priori</i> Prediction of Conditional Constants and Speciation. <i>Environmental Science & Technology</i> , 2009, 43, 2838-2844. | 10.0 | 48 |
| 8 | Quantitative Structureâ”Property Relationships for Predicting Metal Binding by Organic Ligands. <i>Environmental Science & Technology</i> , 2008, 42, 5210-5216. | 10.0 | 27 |
| 9 | A stochastic model for the synthesis and degradation of natural organic matter. Part III: Modeling Cu(II) complexation. <i>Applied Geochemistry</i> , 2007, 22, 1646-1658. | 3.0 | 9 |
| 10 | Quantitative detection of aqueous arsenic and other oxoanions using attenuated total reflectance infrared spectroscopy utilizing iron oxide coated internal reflection elements to enhance the limits of detection. <i>Analytica Chimica Acta</i> , 2007, 581, 309-317. | 5.4 | 20 |
| 11 | A stochastic model for the synthesis and degradation of natural organic matter part II: molecular property distributions. <i>Biogeochemistry</i> , 2007, 86, 269-286. | 3.5 | 11 |
| 12 | The role of ultraviolet radiation in litter decomposition in arid ecosystems. <i>Applied Soil Ecology</i> , 2006, 34, 82-91. | 4.3 | 109 |
| 13 | Agent-based scientific simulation. <i>Computing in Science and Engineering</i> , 2005, 7, 22-29. | 1.2 | 17 |
| 14 | Soil organic matter and litter chemistry response to experimental N deposition in northern temperate deciduous forest ecosystems. <i>Global Change Biology</i> , 2005, 11, 1514-1521. | 9.5 | 55 |
| 15 | A Stochastic Model for the Synthesis and Degradation of Natural Organic Matter. Part I. Data Structures and Reaction Kinetics. <i>Biogeochemistry</i> , 2005, 76, 319-347. | 3.5 | 31 |
| 16 | Reverse-Phase HPLC Method for Measuring Polarity Distributions of Natural Organic Matter. <i>Environmental Science & Technology</i> , 2004, 38, 1108-1114. | 10.0 | 38 |
| 17 | The effects of pH, ionic strength, and ironâ€“fulvic acid interactions on the kinetics of non-photochemical iron transformations. I. Iron(II) oxidation and iron(III) colloid formation. <i>Geochimica Et Cosmochimica Acta</i> , 2003, 67, 4067-4077. | 3.9 | 122 |
| 18 | The effects of pH, ionic strength, and ironâ€“fulvic acid interactions on the kinetics of non-photochemical iron transformations. II. The kinetics of thermal reduction. <i>Geochimica Et Cosmochimica Acta</i> , 2003, 67, 4079-4089. | 3.9 | 63 |

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|----|---|------|-----------|
| 19 | Hydrogeochemical controls on the variations in chemical characteristics of natural organic matter at a small freshwater wetland. <i>Chemical Geology</i> , 2002, 187, 59-77. | 3.3 | 67 |
| 20 | A comparison of surface water natural organic matter in raw filtered water samples, XAD, and reverse osmosis isolates. <i>Water Research</i> , 2002, 36, 2357-2371. | 11.3 | 123 |
| 21 | Size fractionation upon adsorption of fulvic acid on goethite: equilibrium and kinetic studies. <i>Geochimica Et Cosmochimica Acta</i> , 2001, 65, 803-812. | 3.9 | 129 |
| 22 | Colorimetric flow-injection analysis of dissolved iron in high DOC waters. <i>Water Research</i> , 2001, 35, 363-372. | 11.3 | 33 |
| 23 | Considerations in the use of high-pressure size exclusion chromatography (HPSEC) for determining molecular weights of aquatic humic substances. <i>Water Research</i> , 2000, 34, 3505-3514. | 11.3 | 218 |
| 24 | A Log-Normal Distribution Model for the Molecular Weight of Aquatic Fulvic Acids. <i>Environmental Science & Technology</i> , 2000, 34, 1103-1109. | 10.0 | 118 |
| 25 | ADSORPTION AND FRACTIONATION OF A MUCK FULVIC ACID ON KAOLINITE AND GOETHITE AT pH 3.7, 6, AND 8. <i>Soil Science</i> , 2000, 165, 545-559. | 0.9 | 79 |
| 26 | Cu(II) binding by a pH-fractionated fulvic acid. <i>Analytica Chimica Acta</i> , 1999, 402, 183-193. | 5.4 | 30 |
| 27 | Uncertainty propagation in geochemical calculations: non-linearity in solubility equilibria. <i>Applied Geochemistry</i> , 1999, 14, 255-262. | 3.0 | 12 |
| 28 | Models of Metal Binding Structures in Fulvic Acid from the Suwannee River, Georgia. <i>Environmental Science & Technology</i> , 1998, 32, 2410-2416. | 10.0 | 169 |
| 29 | Physicochemical variations in DOM's synchronous fluorescence: Implications for mixing studies. <i>Limnology and Oceanography</i> , 1997, 42, 1766-1773. | 3.1 | 26 |
| 30 | Propagation of Uncertainty in Aqueous Equilibrium Calculations: Non-Gaussian Output Distributions. <i>Analytical Chemistry</i> , 1997, 69, 3658-3664. | 6.5 | 9 |
| 31 | Aluminum binding to humic substances determined by high performance cation exchange chromatography. <i>Geochimica Et Cosmochimica Acta</i> , 1997, 61, 1-9. | 3.9 | 41 |
| 32 | Determination of trace aluminum in natural waters by flow-injection analysis with fluorescent detection of the lumogallion complex. <i>Analytica Chimica Acta</i> , 1995, 303, 211-221. | 5.4 | 38 |
| 33 | Molecular size effects on carboxyl acidity: Implications for humic substances. <i>Analytica Chimica Acta</i> , 1995, 304, 187-194. | 5.4 | 10 |
| 34 | Rank Analysis of the pH-Dependent Synchronous Fluorescence Spectra of Six Standard Humic Substances. <i>Environmental Science & Technology</i> , 1995, 29, 1460-1467. | 10.0 | 77 |
| 35 | Aqueous Al(III) Speciation by High-Performance Cation Exchange Chromatography with Fluorescence Detection of the Aluminum-Lumogallion Complex. <i>Analytical Chemistry</i> , 1995, 67, 2342-2349. | 6.5 | 55 |
| 36 | Quantitative aqueous attenuated total reflectance Fourier transform infrared spectroscopy. <i>Analytica Chimica Acta</i> , 1993, 280, 253-261. | 5.4 | 21 |

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|----|---|------|-----------|
| 37 | Theory of variable-angle synchronous fluorescence spectra. <i>Analytical Chemistry</i> , 1991, 63, 1323-1327. | 6.5 | 29 |
| 38 | Carboxylic acid content of a fulvic acid determined by potentiometry and aqueous Fourier transform infrared spectrometry. <i>Analytica Chimica Acta</i> , 1991, 255, 23-30. | 5.4 | 47 |
| 39 | pH and ionic strength effects on nickel-fulvic acid dissociation kinetics. <i>Environmental Science & Technology</i> , 1990, 24, 583-588. | 10.0 | 50 |
| 40 | Comment on "A unified physicochemical description of the protonation and metal ion complexation equilibria of natural organic acids (humic and fulvic acids)". <i>Environmental Science & Technology</i> , 1989, 23, 746-747. | 10.0 | 14 |
| 41 | Fluorescence quenching measurements of copper-fulvic acid binding. <i>Analytical Chemistry</i> , 1988, 60, 2418-2421. | 6.5 | 50 |
| 42 | Copper binding by dissolved organic matter: I. Suwannee River fulvic acid equilibria. <i>Geochimica Et Cosmochimica Acta</i> , 1988, 52, 185-193. | 3.9 | 214 |
| 43 | Copper binding by dissolved organic matter: II. Variation in type and source of organic matter. <i>Geochimica Et Cosmochimica Acta</i> , 1988, 52, 195-200. | 3.9 | 66 |
| 44 | TITRATOR: an interactive program for aquatic equilibrium calculations. <i>Environmental Science & Technology</i> , 1987, 21, 209-210. | 10.0 | 61 |
| 45 | Synchronous fluorescence spectra of natural waters: tracing sources of dissolved organic matter. <i>Marine Chemistry</i> , 1987, 21, 37-50. | 2.3 | 90 |
| 46 | Combined ion selective electrode and fluorescence quenching detection for copper-dissolved organic matter titrations. <i>Analytical Chemistry</i> , 1986, 58, 398-401. | 6.5 | 56 |