

Gregory V Korshin

List of Publications by Year in descending order

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| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 1 | Self-forming Dynamic Membranes for Wastewater Treatment. <i>Separation and Purification Reviews</i> , 2022, 51, 195-211. | 5.5 | 9 |
| 2 | Identification of pterins as characteristic humic-like fluorophores released from cyanobacteria and their behavior and fate in natural and engineered water systems. <i>Chemical Engineering Journal</i> , 2022, 428, 131154. | 12.7 | 12 |
| 3 | Removal of dimethylarsinic acid (DMA) in the Fe/C system: roles of Fe(II) release, DMA/Fe(II) and DMA/Fe(III) complexation. <i>Water Research</i> , 2022, 213, 118093. | 11.3 | 3 |
| 4 | Effect of chlorination on the characteristics of effluent organic matter and the phototransformation of sulfamethoxazole in secondary wastewater. <i>Chemosphere</i> , 2022, 295, 133193. | 8.2 | 8 |
| 5 | Differentiation of Pathways of Nitrated Byproduct Formation from Ammonium and Nitrite During Sulfate Radical Oxidation. <i>Environmental Science & Technology</i> , 2022, 56, 7935-7944. | 10.0 | 16 |
| 6 | Active-chlorine-mediated oxidation of 5-fluorouracil on a hierarchically ordered macroporous RuO ₂ electrode. <i>Chemosphere</i> , 2022, 301, 134728. | 8.2 | 4 |
| 7 | Comparison of the formation of aldehydes and carboxylic acids in ozonated and electrochemically treated surface water. <i>Chemosphere</i> , 2022, 307, 135664. | 8.2 | 2 |
| 8 | Interpretation of the formation of unstable halogen-containing disinfection by-products based on the differential absorbance spectroscopy approach. <i>Chemosphere</i> , 2021, 268, 129241. | 8.2 | 3 |
| 9 | Indoor versus outdoor transmission of SARS-COV-2: environmental factors in virus spread and underestimated sources of risk. <i>Euro-Mediterranean Journal for Environmental Integration</i> , 2021, 6, 30. | 1.3 | 42 |
| 10 | Water, energy and waste: The great European deal for the environment. <i>Science of the Total Environment</i> , 2021, 764, 142911. | 8.0 | 11 |
| 11 | Solid-phase excitation-emission matrix spectroscopy for chemical analysis of combustion aerosols. <i>PLoS ONE</i> , 2021, 16, e0251664. | 2.5 | 1 |
| 12 | Coronavirus in water media: Analysis, fate, disinfection and epidemiological applications. <i>Journal of Hazardous Materials</i> , 2021, 415, 125580. | 12.4 | 50 |
| 13 | Interpretation of the differential UVâ€“visible absorbance spectra of metal-NOM complexes based on the quantum chemical simulations for the model compound esculetin. <i>Chemosphere</i> , 2021, 276, 130043. | 8.2 | 10 |
| 14 | Interactions between the antibiotic tetracycline and humic acid: Examination of the binding sites, and effects of complexation on the oxidation of tetracycline. <i>Water Research</i> , 2021, 202, 117379. | 11.3 | 75 |
| 15 | Comparison of the yields of mono-, Di- and tri-chlorinated HAAs and THMs in chlorination and chloramination based on experimental and quantum-chemical data. <i>Water Research</i> , 2020, 169, 115100. | 11.3 | 17 |
| 16 | Excitation emission matrix fluorescence spectroscopy for combustion generated particulate matter source identification. <i>Atmospheric Environment</i> , 2020, 220, 117065. | 4.1 | 14 |
| 17 | Characterizing property and treatability of dissolved effluent organic matter using size exclusion chromatography with an array of absorbance, fluorescence, organic nitrogen and organic carbon detectors. <i>Chemosphere</i> , 2020, 243, 125321. | 8.2 | 43 |
| 18 | Effects of varying temperatures and alkalinities on the corrosion and heavy metal release from low-lead galvanized steel. <i>Environmental Science and Pollution Research</i> , 2020, 27, 2412-2422. | 5.3 | 19 |

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|----|--|------|-----------|
| 19 | Viruses in wastewater: occurrence, abundance and detection methods. <i>Science of the Total Environment</i> , 2020, 745, 140910. | 8.0 | 170 |
| 20 | Effects of fulvic acids on the electrochemical reactions and mass transfer properties of organic cation toluidine blue: Results of measurements by the method of rotating ring-disc electrode. <i>Water Research</i> , 2020, 184, 116151. | 11.3 | 2 |
| 21 | Interpreting main features of the differential absorbance spectra of chlorinated natural organic matter: Comparison of the experimental and theoretical spectra of model compounds. <i>Water Research</i> , 2020, 185, 116206. | 11.3 | 9 |
| 22 | Comparison of the properties of standard soil and aquatic fulvic and humic acids based on the data of differential absorbance and fluorescence spectroscopy. <i>Chemosphere</i> , 2020, 261, 128189. | 8.2 | 13 |
| 23 | Phototransformation of roxithromycin in the presence of dissolved organic matter: Characterization of the degradation products and toxicity evaluation. <i>Science of the Total Environment</i> , 2020, 733, 139348. | 8.0 | 10 |
| 24 | Excitation-Emission Matrix Spectroscopy for Analysis of Chemical Composition of Combustion Generated Particulate Matter. <i>Environmental Science & Technology</i> , 2020, 54, 8198-8209. | 10.0 | 27 |
| 25 | Use of spectroscopic indicators for the monitoring of bromate generation in ozonated wastewater containing variable concentrations of bromide. <i>Water Research</i> , 2020, 182, 116009. | 11.3 | 9 |
| 26 | Metal-release potential from iron corrosion scales under stagnant and active flow, and varying water quality conditions. <i>Water Research</i> , 2020, 175, 115675. | 11.3 | 32 |
| 27 | Interactions between natural organic matter (NOM) and the cationic dye toluidine blue at varying pHs and ionic strengths: Effects of NOM charges and Donnan gel potentials. <i>Chemosphere</i> , 2019, 236, 124272. | 8.2 | 10 |
| 28 | Differential absorbance study of interactions between europium, soil and aquatic NOM and model compounds. <i>Chemosphere</i> , 2019, 235, 96-103. | 8.2 | 12 |
| 29 | Developing surrogate indicators for predicting suppression of halophenols formation potential and abatement of estrogenic activity during ozonation of water and wastewater. <i>Water Research</i> , 2019, 161, 152-160. | 11.3 | 22 |
| 30 | Differential ATR FTIR spectroscopy of membrane fouling: Contributions of the substrate/fouling films and correlations with transmembrane pressure. <i>Water Research</i> , 2019, 161, 27-34. | 11.3 | 19 |
| 31 | Monitoring the kinetics of reactions between natural organic matter and Al(III) ions using differential absorbance spectra. <i>Chemosphere</i> , 2019, 235, 220-226. | 8.2 | 12 |
| 32 | Experimental and quantum-chemical study of differential absorbance spectra of environmentally relevant species: A study of quercetin deprotonation and its interactions with copper (II) ions. <i>Science of the Total Environment</i> , 2019, 679, 229-236. | 8.0 | 12 |
| 33 | Preventing the colloidal dispersion of Pb corrosion scales and lead release in drinking water distribution systems. <i>Environmental Science: Water Research and Technology</i> , 2019, 5, 1262-1269. | 2.4 | 16 |
| 34 | Degradation of typical macrolide antibiotic roxithromycin by hydroxyl radical: kinetics, products, and toxicity assessment. <i>Environmental Science and Pollution Research</i> , 2019, 26, 14570-14582. | 5.3 | 25 |
| 35 | Insights into the mechanism of nonradical reactions of persulfate activated by carbon nanotubes: Activation performance and structure-function relationship. <i>Water Research</i> , 2019, 157, 406-414. | 11.3 | 263 |
| 36 | Effects of chlorination on the fluorescence of seawater: Pronounced changes of emission intensity and their relationships with the formation of disinfection byproducts. <i>Chemosphere</i> , 2019, 218, 430-437. | 8.2 | 11 |

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|----|---|------|-----------|
| 37 | Electrochemical reductive dehalogenation of iodine-containing contrast agent pharmaceuticals: Examination of reactions of diatrizoate and iopamidol using the method of rotating ring-disc electrode (RRDE). <i>Water Research</i> , 2018, 136, 104-111. | 11.3 | 16 |
| 38 | Spectroscopic surrogates for real time monitoring of water quality in wastewater treatment and water reuse. <i>Current Opinion in Environmental Science and Health</i> , 2018, 2, 12-19. | 4.1 | 35 |
| 39 | Comparison of the effects of chloramine and chlorine on the aromaticity of dissolved organic matter and yields of disinfection by-products. <i>Chemosphere</i> , 2018, 191, 477-484. | 8.2 | 47 |
| 40 | Characterization of disinfection byproduct formation and associated changes to dissolved organic matter during solar photolysis of free available chlorine. <i>Water Research</i> , 2018, 146, 318-327. | 11.3 | 48 |
| 41 | Quantum-chemical simulations of the hydration of Pb(II) ion: structure, hydration energies, and pKa1 value. <i>Journal of Molecular Modeling</i> , 2018, 24, 193. | 1.8 | 12 |
| 42 | Fluorescence Quenching and Energy Transfer Phenomena Associated with the Interactions of Terbium Ion and Humic Acid. <i>Aquatic Geochemistry</i> , 2018, 24, 195-207. | 1.3 | 2 |
| 43 | Electrochemical dehalogenation of disinfection by-products and iodine-containing contrast media: A review. <i>Environmental Engineering Research</i> , 2018, 23, 345-353. | 2.5 | 22 |
| 44 | Transient Changes of Corrosion Potentials and Their Correlations with Metal Release During Stagnation and Flow Episodes in Drinking Water Systems. <i>ECS Meeting Abstracts</i> , 2018, , . | 0.0 | 0 |
| 45 | Rotating Ring-Disk Electrode Study of the Electrochemical Dehalogenation of Iodinated Contrast Media. <i>ECS Meeting Abstracts</i> , 2018, , . | 0.0 | 0 |
| 46 | Distribution of Corrosion Potentials across Galvanically Coupled Interfaces Exposed in Drinking Water. <i>ECS Meeting Abstracts</i> , 2018, , . | 0.0 | 0 |
| 47 | Use of fluorescence EEM to monitor the removal of emerging contaminants in full scale wastewater treatment plants. <i>Journal of Hazardous Materials</i> , 2017, 323, 367-376. | 12.4 | 126 |
| 48 | Application of UV absorbance and fluorescence indicators to assess the formation of biodegradable dissolved organic carbon and bromate during ozonation. <i>Water Research</i> , 2017, 111, 154-162. | 11.3 | 59 |
| 49 | Spectroscopic study of interactions of lead (II) ions with dissolved organic matter: Evidence of preferential engagement of carboxylic groups. <i>Geochimica Et Cosmochimica Acta</i> , 2017, 213, 308-316. | 3.9 | 25 |
| 50 | Monitoring the Behavior of Emerging Contaminants in Wastewater-Impacted Rivers Based on the Use of Fluorescence Excitation Emission Matrixes (EEM). <i>Environmental Science & Technology</i> , 2017, 51, 4306-4316. | 10.0 | 74 |
| 51 | Ternary Model of the Speciation of I-/Br-/Cl-Trihalomethanes Formed in Chloraminated Surface Waters. <i>Environmental Science & Technology</i> , 2016, 50, 4468-4475. | 10.0 | 12 |
| 52 | Ozonation effects on emerging micropollutants and effluent organic matter in wastewater: characterization using changes of three-dimensional HP-SEC and EEM fluorescence data. <i>Environmental Science and Pollution Research</i> , 2016, 23, 20567-20579. | 5.3 | 17 |
| 53 | Spectroscopic characterization of changes of DOM deprotonation/protonation properties in water treatment processes. <i>Chemosphere</i> , 2016, 148, 426-435. | 8.2 | 28 |
| 54 | Removal of polycyclic synthetic musks and antineoplastic drugs in ozonated wastewater: Quantitation based on the data of differential spectroscopy. <i>Journal of Hazardous Materials</i> , 2016, 304, 242-250. | 12.4 | 42 |

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|----|---|------|-----------|
| 55 | Bromination and Chlorination of NOM: New Modeling Approaches and Mechanistic Insights. ACS Symposium Series, 2015, , 63-77. | 0.5 | 1 |
| 56 | Effects of calcium on the chromophores of dissolved organic matter and their interactions with copper. Water Research, 2015, 81, 47-53. | 11.3 | 51 |
| 57 | Formation of aldehydes and carboxylic acids in ozonated surface water and wastewater: A clear relationship with fluorescence changes. Chemosphere, 2015, 125, 182-190. | 8.2 | 51 |
| 58 | In-Situ Investigation of Interactions between Magnesium Ion and Natural Organic Matter. Environmental Science & Technology, 2015, 49, 8323-8329. | 10.0 | 65 |
| 59 | Spectroscopic examination of effects of iodide on the chloramination of natural organic matter. Water Research, 2015, 70, 449-457. | 11.3 | 18 |
| 60 | Effects of Ionic Strength on the Chromophores of Dissolved Organic Matter. Environmental Science & Technology, 2015, 49, 5905-5912. | 10.0 | 52 |
| 61 | Use of log-transformed absorbance spectra for online monitoring of the reactivity of natural organic matter. Water Research, 2015, 84, 136-143. | 11.3 | 47 |
| 62 | Rotating Ring-Disk Electrode and Quantum-Chemical Study of the Electrochemical Reduction of Monoiodoacetic Acid and Iodoform. Environmental Science & Technology, 2015, 49, 13542-13549. | 10.0 | 10 |
| 63 | Examination of the kinetics of degradation of the antineoplastic drug 5-fluorouracil by chlorine and bromine. Journal of Hazardous Materials, 2015, 282, 125-132. | 12.4 | 15 |
| 64 | Spectroscopic in situ examination of interactions of rare earth ions with humic substances. Water Research, 2015, 68, 273-281. | 11.3 | 20 |
| 65 | Relationships between trihalomethanes, haloacetic acids, and haloacetonitriles formed by the chlorination of raw, treated, and fractionated surface waters. Journal of Water Supply: Research and Technology - AQUA, 2014, 63, 21-30. | 1.4 | 21 |
| 66 | Examination of disinfection by-product (DBP) formation in source waters: A study using log-transformed differential spectra. Water Research, 2014, 50, 179-188. | 11.3 | 66 |
| 67 | Comparative Examination of Effects of Binding of Different Metals on Chromophores of Dissolved Organic Matter. Environmental Science & Technology, 2014, 48, 3177-3185. | 10.0 | 105 |
| 68 | Effects of pH on the speciation coefficients in models of bromide influence on the formation of trihalomethanes and haloacetic acids. Water Research, 2014, 62, 117-126. | 11.3 | 51 |
| 69 | Effects of charging on the chromophores of dissolved organic matter from the Rio Negro basin. Water Research, 2014, 59, 154-164. | 11.3 | 36 |
| 70 | Changes of the corrosion potential of iron in stagnation and flow conditions and their relationship with metal release. Water Research, 2014, 62, 136-146. | 11.3 | 27 |
| 71 | Effects of blending of desalinated and conventionally treated surface water on iron corrosion and its release from corroding surfaces and pre-existing scales. Water Research, 2013, 47, 3817-3826. | 11.3 | 41 |
| 72 | Effects of NOM properties on copper release from model solid phases. Water Research, 2013, 47, 4843-4852. | 11.3 | 16 |

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|----|--|------|-----------|
| 73 | Study of iron and aluminum binding to Suwannee River fulvic acid using absorbance and fluorescence spectroscopy: Comparison of data interpretation based on NICA-Donnan and Stockholm humic models. <i>Water Research</i> , 2013, 47, 5439-5446. | 11.3 | 48 |
| 74 | In situ study of binding of copper by fulvic acid: Comparison of differential absorbance data and model predictions. <i>Water Research</i> , 2013, 47, 588-596. | 11.3 | 99 |
| 75 | Modeling bromide effects on yields and speciation of dihaloacetonitriles formed in chlorinated drinking water. <i>Water Research</i> , 2013, 47, 5995-6006. | 11.3 | 36 |
| 76 | Changes of excitation/emission matrixes of wastewater caused by Fenton- and Fenton-like treatment and their associations with the generation of hydroxyl radicals, oxidation of effluent organic matter and degradation of trace-level organic pollutants. <i>Journal of Hazardous Materials</i> , 2013, 244-245, 698-708. | 12.4 | 23 |
| 77 | Effects of chloride, sulfate and natural organic matter (NOM) on the accumulation and release of trace-level inorganic contaminants from corroding iron. <i>Water Research</i> , 2013, 47, 5257-5269. | 11.3 | 42 |
| 78 | Quantifying metal ions binding onto dissolved organic matter using log-transformed absorbance spectra. <i>Water Research</i> , 2013, 47, 2603-2611. | 11.3 | 87 |
| 79 | Quantitation of Interactions of Suwannee River Fulvic Acid with Protons Based on Numerical Deconvolution of Differential Absorbance and Fluorescence Spectra. , 2013, , 233-237. | | 2 |
| 80 | An Innovative In Situ Spectroscopic Approach to Characterize Functional Groups in Natural Organic Matters (NOMs) and Their Interactions with Protons and Metals. , 2013, , 181-186. | | 0 |
| 81 | Occurrence of trace inorganic contaminants in drinking water distribution systems. <i>Journal - American Water Works Association</i> , 2012, 104, E181. | 0.3 | 38 |
| 82 | Effect of changing water quality on galvanic coupling. <i>Journal - American Water Works Association</i> , 2012, 104, E136. | 0.3 | 11 |
| 83 | Development of surrogate correlation models to predict trace organic contaminant oxidation and microbial inactivation during ozonation. <i>Water Research</i> , 2012, 46, 6257-6272. | 11.3 | 175 |
| 84 | Spectroscopic study of degradation products of ciprofloxacin, norfloxacin and lomefloxacin formed in ozonated wastewater. <i>Water Research</i> , 2012, 46, 5235-5246. | 11.3 | 222 |
| 85 | Effects of Fenton treatment on the properties of effluent organic matter and their relationships with the degradation of pharmaceuticals and personal care products. <i>Water Research</i> , 2012, 46, 403-412. | 11.3 | 138 |
| 86 | Formation of Pb(III) Intermediates in the Electrochemically Controlled Pb(II)/PbO ₂ System. <i>Environmental Science & Technology</i> , 2012, 46, 1430-1438. | 10.0 | 19 |
| 87 | Spectroscopic study of the degradation of antibiotics and the generation of representative EfOM oxidation products in ozonated wastewater. <i>Chemosphere</i> , 2012, 86, 774-782. | 8.2 | 33 |
| 88 | Characterization of dissolved organic matter using high-performance liquid chromatography (HPLC)–size exclusion chromatography (SEC) with a multiple wavelength absorbance detector. <i>Chemosphere</i> , 2012, 87, 879-885. | 8.2 | 81 |
| 89 | Development and validation of online surrogate parameters for water quality monitoring at a conventional water treatment plant using a UV absorbance spectrolyser. , 2011, , . | | 4 |
| 90 | Chlorine Based Oxidants for Water Purification and Disinfection. <i>ACS Symposium Series</i> , 2011, , 223-245. | 0.5 | 8 |

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|-----|--|------|-----------|
| 91 | Speciation of trace inorganic contaminants in corrosion scales and deposits formed in drinking water distribution systems. <i>Water Research</i> , 2011, 45, 5553-5563. | 11.3 | 67 |
| 92 | Quantifying the formation of nitrogen-containing disinfection by-products in chlorinated water using absorbance and fluorescence indexes. <i>Water Science and Technology</i> , 2011, 63, 40-44. | 2.5 | 28 |
| 93 | Behavior of trace inorganic contaminants in drinking water distribution systems. <i>Journal - American Water Works Association</i> , 2010, 102, 107-118. | 0.3 | 30 |
| 94 | Evolution of Absorbance Spectra of Ozonated Wastewater and Its Relationship with the Degradation of Trace-Level Organic Species. <i>Environmental Science & Technology</i> , 2010, 44, 6130-6137. | 10.0 | 89 |
| 95 | Using Spectrophotometric Titrations To Characterize Humic Acid Reactivity at Environmental Concentrations. <i>Environmental Science & Technology</i> , 2010, 44, 6782-6788. | 10.0 | 67 |
| 96 | Multi-wavelength spectroscopic and chromatography study on the photocatalytic oxidation of natural organic matter. <i>Water Research</i> , 2010, 44, 2525-2532. | 11.3 | 68 |
| 97 | Effects of blending of desalinated water with treated surface drinking water on copper and lead release. <i>Water Research</i> , 2010, 44, 4057-4066. | 11.3 | 22 |
| 98 | Characterization of elemental and structural composition of corrosion scales and deposits formed in drinking water distribution systems. <i>Water Research</i> , 2010, 44, 4570-4580. | 11.3 | 136 |
| 99 | Modelling disinfection by-products formation in bromide-containing waters. <i>Journal of Hazardous Materials</i> , 2009, 168, 782-786. | 12.4 | 27 |
| 100 | Interactions of Pb(II)/Pb(IV) Solid Phases with Chlorine and Their Effects on Lead Release. <i>Environmental Science & Technology</i> , 2009, 43, 3278-3284. | 10.0 | 38 |
| 101 | Changes in NOM Fluorescence Caused by Chlorination and their Associations with Disinfection by-Products Formation. <i>Environmental Science & Technology</i> , 2009, 43, 724-729. | 10.0 | 70 |
| 102 | Absorbance spectroscopy-based examination of effects of coagulation on the reactivity of fractions of natural organic matter with varying apparent molecular weights. <i>Water Research</i> , 2009, 43, 1541-1548. | 11.3 | 159 |
| 103 | Leaching of Heavy Metals Due to Changing Disinfectants in Drinking Water Distribution Systems. <i>Proceedings of the Water Environment Federation</i> , 2009, 2009, 485-496. | 0.0 | 0 |
| 104 | Differential absorbance study of effects of temperature on chlorine consumption and formation of disinfection by-products in chlorinated water. <i>Water Research</i> , 2008, 42, 1879-1888. | 11.3 | 81 |
| 105 | A spectroscopic study of the bromination of the endocrine disruptor ethynylestradiol. <i>Chemosphere</i> , 2008, 72, 504-508. | 8.2 | 10 |
| 106 | Examination of <i>in situ</i> Generation of Hydroxyl Radicals and Ozone in a Flow-through Electrochemical Reactor. <i>Ozone: Science and Engineering</i> , 2008, 30, 113-119. | 2.5 | 19 |
| 107 | In Situ Examination of the Protonation Behavior of Fulvic Acids Using Differential Absorbance Spectroscopy. <i>Environmental Science & Technology</i> , 2008, 42, 6644-6649. | 10.0 | 116 |
| 108 | Investigation of the Kinetics and Mechanisms of the Oxidation of Cerussite and Hydrocerussite by Chlorine. <i>Environmental Science & Technology</i> , 2008, 42, 3241-3247. | 10.0 | 60 |

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|-----|---|------|-----------|
| 109 | Spectroscopic Studies of the Roles of Distinct Chromophores in NOM Chlorination and DBP Formation. ACS Symposium Series, 2008, , 158-171. | 0.5 | 6 |
| 110 | Comparison of the Performance of Spectroscopic Indices Developed to Quantify the Halogenation of Natural Organic Matter at Varying Chlorine Concentrations, Reaction Times and Temperatures. ACS Symposium Series, 2008, , 198-212. | 0.5 | 4 |
| 111 | Effects of Changing disinfectants on lead and copper release. Journal - American Water Works Association, 2008, 100, 75-87. | 0.3 | 30 |
| 112 | Structural Study of the Incorporation of Heavy Metals into Solid Phase Formed during the Oxidation of EDTA by Permanganate at High pH. Environmental Science & Technology, 2007, 41, 2560-2565. | 10.0 | 21 |
| 113 | Examination of NOM Chlorination Reactions by Conventional and Stop-Flow Differential Absorbance Spectroscopy. Environmental Science & Technology, 2007, 41, 2776-2781. | 10.0 | 64 |
| 114 | Investigation of the Reduction of Lead Dioxide by Natural Organic Matter. Environmental Science & Technology, 2007, 41, 5510-5514. | 10.0 | 63 |
| 115 | Electrochemical and XAFS Studies of Effects of Carbonate on the Oxidation of Arsenite. Environmental Science & Technology, 2006, 40, 228-234. | 10.0 | 20 |
| 116 | Characterization of NOM and its adsorption by iron oxide coated sand (IOCS) using UV and fluorescence spectroscopy. Journal of Environmental Engineering and Science, 2006, 5, 467-472. | 0.8 | 16 |
| 117 | Investigation of Mechanisms of Oxidation of EDTA and NTA by Permanganate at High pH. Environmental Science & Technology, 2006, 40, 5089-5094. | 10.0 | 32 |
| 118 | Adsorption of Uranyl on Gibbsite: A Time-Resolved Laser-Induced Fluorescence Spectroscopy Study. Environmental Science & Technology, 2006, 40, 1244-1249. | 10.0 | 56 |
| 119 | Comparative study of reactions of endocrine disruptors bisphenol A and diethylstilbestrol in electrochemical treatment and chlorination. Water Research, 2006, 40, 1070-1078. | 11.3 | 66 |
| 120 | Key Parameters and Kinetics of Oxidation of Lead (II) Solid Phases by Chlorine in Drinking Water. Water Practice and Technology, 2006, 1, . | 2.0 | 1 |
| 121 | Formation of disinfection by-products and applicability of differential absorbance spectroscopy to monitor halogenation in chlorinated coastal and deep ocean seawater. Desalination, 2005, 176, 57-69. | 8.2 | 46 |
| 122 | Influence of natural organic matter on the morphology of corroding lead surfaces and behavior of lead-containing particles. Water Research, 2005, 39, 811-818. | 11.3 | 49 |
| 123 | Comparative study of electrochemical degradation and ozonation of nonylphenol. Water Research, 2005, 39, 2527-2534. | 11.3 | 61 |
| 124 | A density functional study of dissociative electron transfer reactions with participation of halogenated methanes. Journal of Electroanalytical Chemistry, 2004, 573, 315-325. | 3.8 | 5 |
| 125 | Reactions of the Flavonoid Hesperetin with Chlorine: A Spectroscopic Study of the Reaction Pathways. Environmental Science & Technology, 2004, 38, 4603-4611. | 10.0 | 21 |
| 126 | Studies of metal-binding sites in natural organic matter and their role in the generation of disinfection by-products using lanthanide ion probes. Chemosphere, 2002, 49, 629-636. | 8.2 | 7 |

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|-----|---|------|-----------|
| 127 | The relationship between TOX formation and spectral changes accompanying chlorination of pre-concentrated or fractionated NOM. <i>Water Research</i> , 2002, 36, 3265-3272. | 11.3 | 36 |
| 128 | Correlations between differential absorbance and the formation of individual DBPs. <i>Water Research</i> , 2002, 36, 3273-3282. | 11.3 | 103 |
| 129 | Effects of Thermal Treatment on Halogenated Disinfection By-Products in Drinking Water. <i>Water Research</i> , 2001, 35, 3545-3550. | 11.3 | 86 |
| 130 | Use of Iron Oxide-Coated Sand To Remove Strontium from Simulated Hanford Tank Wastes. <i>Environmental Science & Technology</i> , 2001, 35, 4905-4909. | 10.0 | 50 |
| 131 | Electrochemical reduction of haloacetic acids and exploration of their removal by electrochemical treatment. <i>Electrochimica Acta</i> , 2001, 47, 747-751. | 5.2 | 56 |
| 132 | Comprehensive Isolation of Natural Organic Matter from Water for Spectral Characterizations and Reactivity Testing. <i>ACS Symposium Series</i> , 2000, , 68-83. | 0.5 | 84 |
| 133 | EXAFS AND XANES STUDIES OF EFFECTS OF pH ON COMPLEXATION OF COPPER BY HUMIC SUBSTANCES. , 2000, , 227-233. | | 0 |
| 134 | Influence of natural organic matter on the corrosion of leaded brass in potable water. <i>Corrosion Science</i> , 2000, 42, 53-66. | 6.6 | 64 |
| 135 | XANES Study of Cu ²⁺ -Binding Sites in Aquatic Humic Substances. <i>Environmental Science & Technology</i> , 2000, 34, 2138-2142. | 10.0 | 91 |
| 136 | Use of UV Spectroscopy To Characterize the Reaction between NOM and Free Chlorine. <i>Environmental Science & Technology</i> , 2000, 34, 2570-2575. | 10.0 | 109 |
| 137 | Aging of Iron (Hydr)oxides by Heat Treatment and Effects on Heavy Metal Binding. <i>Environmental Science & Technology</i> , 2000, 34, 3991-4000. | 10.0 | 30 |
| 138 | A STUDY OF NON-UNIFORMITY OF METAL-BINDING SITES IN HUMIC SUBSTANCES BY X-RAY ABSORPTION SPECTROSCOPY. , 1999, , 191-201. | | 3 |
| 139 | Use of Differential Spectroscopy to Evaluate the Structure and Reactivity of Humics. <i>Water Science and Technology</i> , 1999, 40, 9-16. | 2.5 | 66 |
| 140 | Influence of Chlorination on Chromophores and Fluorophores in Humic Substances. <i>Environmental Science & Technology</i> , 1999, 33, 1207-1212. | 10.0 | 121 |
| 141 | Separation of Cesium from High Ionic Strength Solutions Using a Cobalt Hexacyanoferrate-Modified Graphite Electrode. <i>Environmental Science & Technology</i> , 1999, 33, 2633-2637. | 10.0 | 23 |
| 142 | COMPREHENSIVE STUDY OF UV ABSORPTION AND FLUORESCENCE SPECTRA OF SUWANNEE RIVER NOM FRACTIONS. , 1999, , 147-156. | | 1 |
| 143 | EXAFS Study of the Inner Shell Structure in Copper(II) Complexes with Humic Substances. <i>Environmental Science & Technology</i> , 1998, 32, 2699-2705. | 10.0 | 120 |
| 144 | Monitoring DBP formation with differential UV spectroscopy. <i>Journal - American Water Works Association</i> , 1998, 90, 88-100. | 0.3 | 61 |

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|-----|---|------|-----------|
| 145 | The decrease of UV absorbance as an indicator of TOX formation. Water Research, 1997, 31, 946-949. | 11.3 | 93 |
| 146 | Monitoring the properties of natural organic matter through UV spectroscopy: A consistent theory. Water Research, 1997, 31, 1787-1795. | 11.3 | 434 |
| 147 | Adsorption of natural organic matter (NOM) on iron oxide: Effects on NOM composition and formation of organo-halide compounds during chlorination. Water Research, 1997, 31, 1643-1650. | 11.3 | 141 |
| 148 | Use of UV Spectroscopy To Study Chlorination of Natural Organic Matter. ACS Symposium Series, 1996, , 182-195. | 0.5 | 17 |
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