

Radisav D Vidic

List of Publications by Year in descending order

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papers

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| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 1 | Role of biological granular activated carbon in contaminant removal and ultrafiltration membrane performance in a full-scale system. <i>Journal of Membrane Science</i> , 2022, 644, 120122. | 8.2 | 12 |
| 2 | Optimization-based modeling and economic comparison of membrane distillation configurations for application in shale gas produced water treatment. <i>Desalination</i> , 2022, 526, 115513. | 8.2 | 3 |
| 3 | Consideration of Potential Technologies for Ammonia Removal and Recovery from Produced Water. <i>Environmental Science & Technology</i> , 2022, 56, 3305-3308. | 10.0 | 12 |
| 4 | Laboratory and pilot-scale studies of membrane distillation for desalination of produced water from Permian Basin. <i>Desalination</i> , 2022, 537, 115853. | 8.2 | 14 |
| 5 | Impact of Organic and Volatile Compounds in Produced Water from Unconventional Reservoirs on Direct Contact Membrane Distillation Permeate Quality. <i>ACS ES&T Water</i> , 2022, 2, 1003-1012. | 4.6 | 6 |
| 6 | Optimization-based modeling and analysis of brine reflux osmotically assisted reverse osmosis for application toward zero liquid discharge systems. <i>Desalination</i> , 2022, 539, 115948. | 8.2 | 6 |
| 7 | A Critical Review of Membrane Wettability in Membrane Distillation from the Perspective of Interfacial Interactions. <i>Environmental Science & Technology</i> , 2021, 55, 1395-1418. | 10.0 | 105 |
| 8 | Pretreatment of brackish water reverse osmosis (BWRO) concentrate to enhance water recovery in inland desalination plants by direct contact membrane distillation (DCMD). <i>Desalination</i> , 2021, 508, 115050. | 8.2 | 19 |
| 9 | Comparison of calcium scaling in direct contact membrane distillation (DCMD) and nanofiltration (NF). <i>Journal of Membrane Science</i> , 2021, 638, 119647. | 8.2 | 21 |
| 10 | On-Site Treatment of Shale Gas Flowback and Produced Water in Sichuan Basin by Fertilizer Drawn Forward Osmosis for Irrigation. <i>Environmental Science & Technology</i> , 2020, 54, 10926-10935. | 10.0 | 25 |
| 11 | Rare Earth Elements Occurrence and Economical Recovery Strategy from Shale Gas Wastewater in the Sichuan Basin, China. <i>ACS Sustainable Chemistry and Engineering</i> , 2020, 8, 11914-11920. | 6.7 | 40 |
| 12 | Shale gas produced water management using membrane distillation: An optimization-based approach. <i>Resources, Conservation and Recycling</i> , 2020, 158, 104803. | 10.8 | 27 |
| 13 | Sulfate precipitation in produced water from Marcellus Shale for the control of naturally occurring radioactive material. <i>Water Research</i> , 2020, 177, 115765. | 11.3 | 11 |
| 14 | Influence of Chemical Cleaning on Physicochemical Characteristics and Ion Rejection by Thin Film Composite Nanofiltration Membranes. <i>Environmental Science & Technology</i> , 2019, 53, 10166-10176. | 10.0 | 34 |
| 15 | Resource Recovery and Reuse for Hydraulic Fracturing Wastewater in Unconventional Shale Gas and Oil Extraction. <i>Environmental Science & Technology</i> , 2019, 53, 13547-13548. | 10.0 | 25 |
| 16 | Impact of Operating Conditions on Measured and Predicted Concentration Polarization in Membrane Distillation. <i>Environmental Science & Technology</i> , 2019, 53, 11869-11876. | 10.0 | 27 |
| 17 | Accuracy of methods for reporting inorganic element concentrations and radioactivity in oil and gas wastewaters from the Appalachian Basin, U.S. based on an inter-laboratory comparison. <i>Environmental Sciences: Processes and Impacts</i> , 2019, 21, 224-241. | 3.5 | 18 |
| 18 | Concentration polarization in membrane distillation: I. Development of a laser-based spectrophotometric method for in-situ characterization. <i>Journal of Membrane Science</i> , 2019, 581, 462-471. | 8.2 | 18 |

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|----|--|------|-----------|
| 19 | Development of Functionalized Proppant for the Control of NORM in Marcellus Shale Produced Water. <i>Environmental Science & Technology</i> , 2019, 53, 373-382. | 10.0 | 9 |
| 20 | Potential and implemented membrane-based technologies for the treatment and reuse of flowback and produced water from shale gas and oil plays: A review. <i>Desalination</i> , 2019, 455, 34-57. | 8.2 | 233 |
| 21 | Toward better hydraulic fracturing fluids and their application in energy production: A review of sustainable technologies and reduction of potential environmental impacts. <i>Journal of Petroleum Science and Engineering</i> , 2019, 173, 793-803. | 4.2 | 47 |
| 22 | Comparison of ceramic and polymeric nanofiltration membranes for treatment of abandoned coal mine drainage. <i>Desalination</i> , 2018, 440, 135-145. | 8.2 | 43 |
| 23 | Engaging over data on fracking and water quality. <i>Science</i> , 2018, 359, 395-397. | 12.6 | 41 |
| 24 | Importance of feed recirculation for the overall energy consumption in membrane distillation systems. <i>Desalination</i> , 2018, 428, 250-254. | 8.2 | 59 |
| 25 | Life Cycle Impact and Benefit Trade-Offs of a Produced Water and Abandoned Mine Drainage Cotreatment Process. <i>Environmental Science & Technology</i> , 2018, 52, 13995-14005. | 10.0 | 7 |
| 26 | Insights into the rejection of barium and strontium by nanofiltration membrane from experimental and modeling analysis. <i>Journal of Membrane Science</i> , 2018, 564, 742-752. | 8.2 | 27 |
| 27 | Influence of Active Layer on Separation Potentials of Nanofiltration Membranes for Inorganic Ions. <i>Environmental Science & Technology</i> , 2017, 51, 5658-5665. | 10.0 | 58 |
| 28 | A techno-economic assessment of membrane distillation for treatment of Marcellus shale produced water. <i>Desalination</i> , 2017, 416, 24-34. | 8.2 | 101 |
| 29 | Laboratory and Pilot-Scale Nanofiltration Treatment of Abandoned Mine Drainage for the Recovery of Products Suitable for Industrial Reuse. <i>Industrial & Engineering Chemistry Research</i> , 2017, 56, 7355-7364. | 3.7 | 26 |
| 30 | Integrating membrane distillation with waste heat from natural gas compressor stations for produced water treatment in Pennsylvania. <i>Desalination</i> , 2017, 413, 144-153. | 8.2 | 99 |
| 31 | Fouling in direct contact membrane distillation of produced water from unconventional gas extraction. <i>Journal of Membrane Science</i> , 2017, 524, 493-501. | 8.2 | 81 |
| 32 | Impact of Antiscalants on the Fate of Barite in the Unconventional Gas Wells. <i>Environmental Engineering Science</i> , 2016, 33, 745-752. | 1.6 | 20 |
| 33 | Application of microfiltration for the treatment of Marcellus Shale flowback water: Influence of floc breakage on membrane fouling. <i>Journal of Membrane Science</i> , 2016, 510, 348-354. | 8.2 | 35 |
| 34 | Co-treatment of abandoned mine drainage and Marcellus Shale flowback water for use in hydraulic fracturing. <i>Water Research</i> , 2016, 104, 425-431. | 11.3 | 43 |
| 35 | Systems-Level Analysis of Waste Heat Recovery Opportunities from Natural Gas Compressor Stations in the United States. <i>ACS Sustainable Chemistry and Engineering</i> , 2016, 4, 3618-3626. | 6.7 | 28 |
| 36 | Integrating external costs with life cycle costs of emissions from tertiary treatment of municipal wastewater for reuse in cooling systems. <i>Journal of Cleaner Production</i> , 2016, 112, 4733-4740. | 9.3 | 22 |

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|----|---|------|-----------|
| 37 | Life cycle impact analysis of tertiary treatment alternatives to treat secondary municipal wastewater for reuse in cooling systems. <i>Environmental Progress and Sustainable Energy</i> , 2015, 34, 178-187. | 2.3 | 12 |
| 38 | Water Treatment Chemicals. , 2015, , 169-191. | | 1 |
| 39 | Fate of Radium in Marcellus Shale Flowback Water Impoundments and Assessment of Associated Health Risks. <i>Environmental Science & Technology</i> , 2015, 49, 9347-9354. | 10.0 | 39 |
| 40 | Analysis of Radium-226 in High Salinity Wastewater from Unconventional Gas Extraction by Inductively Coupled Plasma-Mass Spectrometry. <i>Environmental Science & Technology</i> , 2015, 49, 2969-2976. | 10.0 | 44 |
| 41 | Changes in Carbon Electrode Morphology Affect Microbial Fuel Cell Performance with <i>Shewanella oneidensis</i> MR-1. <i>Energies</i> , 2015, 8, 1817-1829. | 3.1 | 23 |
| 42 | Lack of correlation between <i>Legionella</i> colonization and microbial population quantification using heterotrophic plate count and adenosine triphosphate bioluminescence measurement. <i>Environmental Monitoring and Assessment</i> , 2015, 187, 393. | 2.7 | 30 |
| 43 | Effect of CO ₂ stripping on pH in open ^o recirculating cooling water systems. <i>Environmental Progress and Sustainable Energy</i> , 2014, 33, 275-282. | 2.3 | 1 |
| 44 | Inhibition of Copper Corrosion by Tolyltriazole in Cooling Systems Using Treated Municipal Wastewater as Makeup Water. <i>Arabian Journal for Science and Engineering</i> , 2014, 39, 7741-7749. | 1.1 | 13 |
| 45 | Scaling Control for Heat Exchangers in Recirculating Cooling Systems Using Treated Municipal Wastewater. <i>Industrial & Engineering Chemistry Research</i> , 2014, 53, 16366-16373. | 3.7 | 7 |
| 46 | Kinetics and Equilibrium of Barium and Strontium Sulfate Formation in Marcellus Shale Flowback Water. <i>Journal of Environmental Engineering, ASCE</i> , 2014, 140, . | 1.4 | 46 |
| 47 | Co-precipitation of Radium with Barium and Strontium Sulfate and Its Impact on the Fate of Radium during Treatment of Produced Water from Unconventional Gas Extraction. <i>Environmental Science & Technology</i> , 2014, 48, 4596-4603. | 10.0 | 148 |
| 48 | Impact of Tertiary Treatment Processes on the Effectiveness of Chloramination for Biological Growth Control in Recirculating Cooling Systems Using Treated Municipal Wastewater. <i>Journal of Environmental Engineering, ASCE</i> , 2014, 140, 04013003. | 1.4 | 1 |
| 49 | Water resource impacts during unconventional shale gas development: The Pennsylvania experience. <i>International Journal of Coal Geology</i> , 2014, 126, 140-156. | 5.0 | 241 |
| 50 | Microfiltration in recycling of Marcellus Shale flowback water: Solids removal and potential fouling of polymeric microfiltration membranes. <i>Journal of Membrane Science</i> , 2014, 462, 88-95. | 8.2 | 57 |
| 51 | Management of Marcellus Shale Produced Water in Pennsylvania: A Review of Current Strategies and Perspectives. <i>Energy Technology</i> , 2014, 2, 968-976. | 3.8 | 25 |
| 52 | Ammonia stripping in open ^o recirculating cooling water systems. <i>Environmental Progress and Sustainable Energy</i> , 2013, 32, 489-495. | 2.3 | 7 |
| 53 | Comprehensive Evaluation of Biological Growth Control by Chlorine-Based Biocides in Power Plant Cooling Systems Using Tertiary Effluent. <i>Environmental Engineering Science</i> , 2013, 30, 324-332. | 1.6 | 7 |
| 54 | Utilization of municipal wastewater for cooling in thermoelectric power plants. <i>Fuel</i> , 2013, 111, 103-113. | 6.4 | 15 |

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|----|--|------|-----------|
| 55 | Process Based Life-Cycle Assessment of Natural Gas from the Marcellus Shale. Environmental Science & Technology, 2013, 47, 5459-5466. | 10.0 | 74 |
| 56 | Spatial and Temporal Correlation of Water Quality Parameters of Produced Waters from Devonian-Age Shale following Hydraulic Fracturing. Environmental Science & Technology, 2013, 47, 2562-2569. | 10.0 | 341 |
| 57 | Suggested Reporting Parameters for Investigations of Wastewater from Unconventional Shale Gas Extraction. Environmental Science & Technology, 2013, 47, 13220-13221. | 10.0 | 24 |
| 58 | Impact of Shale Gas Development on Regional Water Quality. Science, 2013, 340, 1235009. | 12.6 | 1,135 |
| 59 | Microbial Community Changes in Hydraulic Fracturing Fluids and Produced Water from Shale Gas Extraction. Environmental Science & Technology, 2013, 47, 13141-13150. | 10.0 | 149 |
| 60 | Project Asks What's in the Water After Fracking at Depth. Eos, 2013, 94, 409-411. | 0.1 | 1 |
| 61 | Microbial communities in flowback water impoundments from hydraulic fracturing for recovery of shale gas. FEMS Microbiology Ecology, 2013, 86, 567-580. | 2.7 | 113 |
| 62 | Use of Abandoned Mine Drainage for the Development of Unconventional Gas Resources. Disruptive Science and Technology, 2013, 1, 169-176. | 1.0 | 27 |
| 63 | Life cycle costs to treat secondary municipal wastewater for reuse in cooling systems. Journal of Water Reuse and Desalination, 2013, 3, 224-238. | 2.3 | 8 |
| 64 | Impacts of advanced municipal wastewater treatment processes on monochloramine effectiveness in recirculating cooling systems. Proceedings of the Water Environment Federation, 2012, 2012, 4658-4671. | 0.0 | 0 |
| 65 | Control of biological growth in recirculating cooling systems using treated secondary effluent as makeup water with monochloramine. Water Research, 2012, 46, 6508-6518. | 11.3 | 25 |
| 66 | Corrosiveness of Different Treated Municipal Wastewaters Used as Power Plant Cooling System Makeup Water: A Bench-Scale Evaluation. ECS Transactions, 2012, 41, 1-3. | 0.5 | 0 |
| 67 | Development of an Instantaneous Corrosion Rate Monitoring System for Metal and Metal Alloys in Recirculating Cooling Systems. Industrial & Engineering Chemistry Research, 2012, 51, 4230-4239. | 3.7 | 10 |
| 68 | Mineral scaling mitigation in cooling systems using tertiary-treated municipal wastewater. Water Research, 2012, 46, 4488-4498. | 11.3 | 24 |
| 69 | Corrosion management in power plant cooling systems using tertiary-treated municipal wastewater as makeup water. Corrosion Science, 2012, 61, 231-241. | 6.6 | 36 |
| 70 | Electrochemical Impedance Spectroscopy (EIS) Based Characterization of Mineral Deposition from Precipitation Reactions. Industrial & Engineering Chemistry Research, 2012, 51, 2821-2829. | 3.7 | 24 |
| 71 | Escalating Water Demand for Energy Production and the Potential for Use of Treated Municipal Wastewater. Environmental Science & Technology, 2011, 45, 4195-4200. | 10.0 | 73 |
| 72 | Water Management Challenges Associated with the Production of Shale Gas by Hydraulic Fracturing. Elements, 2011, 7, 181-186. | 0.5 | 736 |

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| 73 | Control of mineral scale deposition in cooling systems using secondary-treated municipal wastewater. <i>Water Research</i> , 2011, 45, 748-760. | 11.3 | 96 |
| 74 | Corrosion Control when Using Passively Treated Abandoned Mine Drainage as Alternative Makeup Water for Cooling Systems. <i>Water Environment Research</i> , 2011, 83, 807-814. | 2.7 | 1 |
| 75 | Temperature and pressure dependence of molecular adsorption on single wall carbon nanotubes and the existence of an "adsorption/desorption pressure gap". <i>Carbon</i> , 2010, 48, 1867-1875. | 10.3 | 19 |
| 76 | Carbon Nanotube/Platinum (Pt) Sheet as an Improved Cathode for Microbial Fuel Cells. <i>Energy & Fuels</i> , 2010, 24, 5897-5902. | 5.1 | 35 |
| 77 | Bridging Gravimetric and Electrochemical Approaches To Determine the Corrosion Rate of Metals and Metal Alloys in Cooling Systems: Bench Scale Evaluation Method. <i>Industrial & Engineering Chemistry Research</i> , 2010, 49, 9117-9123. | 3.7 | 17 |
| 78 | Effect of Tolyltriazole on the Corrosion Protection of Copper against Ammonia and Disinfectants in Cooling Systems. <i>Industrial & Engineering Chemistry Research</i> , 2010, 49, 7313-7322. | 3.7 | 23 |
| 79 | Corrosion Control When Using Secondary Treated Municipal Wastewater as Alternative Makeup Water for Cooling Tower Systems. <i>Water Environment Research</i> , 2010, 82, 2346-2356. | 2.7 | 42 |
| 80 | <i>Legionella</i> control by chlorine dioxide in hospital water systems. <i>Journal - American Water Works Association</i> , 2009, 101, 117-127. | 0.3 | 22 |
| 81 | Recent Developments in CO2 Emission Control Technology. <i>Journal of Environmental Engineering, ASCE</i> , 2009, 135, 377-377. | 1.4 | 1 |
| 82 | Impact of Fly Ash Composition on Mercury Speciation in Simulated Flue Gas. <i>Journal of the Air and Waste Management Association</i> , 2009, 59, 1331-1338. | 1.9 | 48 |
| 83 | Effect of pipe corrosion scales on chlorine dioxide consumption in drinking water distribution systems. <i>Water Research</i> , 2008, 42, 129-136. | 11.3 | 84 |
| 84 | Interaction of Acetone with Single Wall Carbon Nanotubes at Cryogenic Temperatures: A Combined Temperature Programmed Desorption and Theoretical Study. <i>Langmuir</i> , 2008, 24, 7848-7856. | 3.5 | 30 |
| 85 | Factors affecting activated carbon-based catalysts for selective hydrogen sulfide oxidation. <i>Main Group Chemistry</i> , 2008, 7, 239-250. | 0.8 | 6 |
| 86 | Safety and Efficacy of Chlorine Dioxide for <i>Legionella</i> Control in a Hospital Water System. <i>Infection Control and Hospital Epidemiology</i> , 2007, 28, 1009-1012. | 1.8 | 28 |
| 87 | Possible phosphate interference with copper-silver ionization for <i>Legionella</i> control. <i>Journal of Hospital Infection</i> , 2006, 62, 119. | 2.9 | 8 |
| 88 | Use of Hydrophilic and Hydrophobic Microfiltration Membranes to Remove Microorganisms and Organic Pollutants from Primary Effluents. <i>Water Environment Research</i> , 2006, 78, 557-564. | 2.7 | 8 |
| 89 | Effect of flow regimes on the presence of <i>Legionella</i> within the biofilm of a model plumbing system. <i>Journal of Applied Microbiology</i> , 2006, 101, 437-442. | 3.1 | 49 |
| 90 | Detection of low concentration oxygen containing functional groups on activated carbon fiber surfaces through fluorescent labeling. <i>Carbon</i> , 2006, 44, 1203-1209. | 10.3 | 43 |

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| 91 | Sulfurization of carbon surface for vapor phase mercury removal " I: Effect of temperature and sulfurization protocol. Carbon, 2006, 44, 2990-2997. | 10.3 | 68 |
| 92 | Sulfurization of a carbon surface for vapor phase mercury removal " II: Sulfur forms and mercury uptake. Carbon, 2006, 44, 2998-3004. | 10.3 | 130 |
| 93 | Sulfur Impregnation on Activated Carbon Fibers through H ₂ S Oxidation for Vapor Phase Mercury Removal. Journal of Environmental Engineering, ASCE, 2006, 132, 292-300. | 1.4 | 44 |
| 94 | Pilot Scale Demonstration of Cross-Flow Ceramic Membrane Microfiltration for Treatment of Combined and Sanitary Sewer Overflows. Journal of Environmental Engineering, ASCE, 2005, 131, 1532-1539. | 1.4 | 9 |
| 95 | Sensitivity of Ammonia Interaction with Single-Walled Carbon Nanotube Bundles to the Presence of Defect Sites and Functionalities. Journal of the American Chemical Society, 2005, 127, 10533-10538. | 13.7 | 167 |
| 96 | Adsorption of Hydrogen Sulfide onto Activated Carbon Fibers: Effect of Pore Structure and Surface Chemistry. Environmental Science & Technology, 2005, 39, 9744-9749. | 10.0 | 154 |
| 97 | Investigating Role of Growing Adsorbent Bed in a Dead-End PAC/UF Process. Journal of Environmental Engineering, ASCE, 2005, 131, 1583-1588. | 1.4 | 3 |
| 98 | Application of Cross-Flow Microfiltration for the Treatment of Combined Sewer Overflow Wastewater. Journal of Environmental Engineering, ASCE, 2004, 130, 1442-1449. | 1.4 | 9 |
| 99 | A Vibrational Spectroscopic Study of the Fate of Oxygen-Containing Functional Groups and Trapped CO ₂ in Single-Walled Carbon Nanotubes During Thermal Treatment. Journal of Physical Chemistry B, 2004, 108, 19949-19954. | 2.6 | 42 |
| 100 | Modeling Sorbent Injection for Mercury Control in Baghouse Filters: Model Development and Sensitivity Analysis. Journal of the Air and Waste Management Association, 2003, 53, 478-488. | 1.9 | 31 |
| 101 | Modeling Sorbent Injection for Mercury Control in Baghouse Filters: Pilot-Scale Studies and Model Evaluation. Journal of the Air and Waste Management Association, 2003, 53, 489-496. | 1.9 | 18 |
| 102 | Negative Effect of High pH on Biocidal Efficacy of Copper and Silver Ions in Controlling Legionella pneumophila. Applied and Environmental Microbiology, 2002, 68, 2711-2715. | 3.1 | 98 |
| 103 | Impact of Surface Heterogeneity on Mercury Uptake by Carbonaceous Sorbents under UHV and Atmospheric Pressure. Environmental Science & Technology, 2002, 36, 4162-4169. | 10.0 | 27 |
| 104 | Combined Experimental and Theoretical Investigation of Polar Organic Adsorption/Desorption from Model Carbonaceous Surfaces: Acetone on Graphite. Langmuir, 2002, 18, 2595-2600. | 3.5 | 21 |
| 105 | Layering and orientational ordering of propane on graphite: An experimental and simulation study. Journal of Chemical Physics, 2002, 117, 7719-7731. | 3.0 | 23 |
| 106 | Influence of Humidity on Butane-Working-Capacity of Different Activated Carbons. Chemie-Ingenieur-Technik, 2001, 73, 736-736. | 0.8 | 0 |
| 107 | Vapor-phase elemental mercury adsorption by activated carbon impregnated with chloride and chelating agents. Carbon, 2001, 39, 3-14. | 10.3 | 175 |
| 108 | Evaluation of Two Sulfur Impregnation Methods on Activated Carbon and Bentonite for the Production of Elemental Mercury Sorbents. Environmental Engineering Science, 2000, 17, 303-313. | 1.6 | 31 |

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| 109 | Optimization of High Temperature Sulfur Impregnation on Activated Carbon for Permanent Sequestration of Elemental Mercury Vapors. <i>Environmental Science & Technology</i> , 2000, 34, 483-488. | 10.0 | 75 |
| 110 | Impact of Flue Gas Conditions on Mercury Uptake by Sulfur-Impregnated Activated Carbon. <i>Environmental Science & Technology</i> , 2000, 34, 154-159. | 10.0 | 149 |
| 111 | Inactivation of <i>Mycobacterium avium</i> by copper and silver ions. <i>Water Research</i> , 1998, 32, 1997-2000. | 11.3 | 177 |
| 112 | The effect of surface metal oxides on activated carbon adsorption of phenolics. <i>Water Research</i> , 1998, 32, 1841-1851. | 11.3 | 25 |
| 113 | Optimization of Sulfur Impregnation Protocol for Fixed-Bed Application of Activated Carbon-Based Sorbents for Gas-Phase Mercury Removal. <i>Environmental Science & Technology</i> , 1998, 32, 531-538. | 10.0 | 163 |
| 114 | Modeling Powdered Activated Carbon Injection for the Uptake of Elemental Mercury Vapors. <i>Journal of the Air and Waste Management Association</i> , 1998, 48, 1051-1059. | 1.9 | 27 |
| 115 | Kinetics of Vapor-Phase Mercury Uptake by Virgin and Sulfur-Impregnated Activated Carbons. <i>Journal of the Air and Waste Management Association</i> , 1998, 48, 247-255. | 1.9 | 56 |
| 116 | Legionella in water distribution systems. <i>Journal - American Water Works Association</i> , 1998, 90, 112-122. | 0.3 | 58 |
| 117 | Effect of Sulfur Impregnation Method on Activated Carbon Uptake of Gas-Phase Mercury. <i>Environmental Science & Technology</i> , 1997, 31, 2319-2325. | 10.0 | 194 |
| 118 | Impact of Oxygen-Containing Surface Functional Groups on Activated Carbon Adsorption of Phenols. <i>Environmental Science & Technology</i> , 1997, 31, 1872-1878. | 10.0 | 205 |
| 119 | Uptake of Elemental Mercury Vapors by Activated Carbons. <i>Journal of the Air and Waste Management Association</i> , 1996, 46, 241-250. | 1.9 | 53 |
| 120 | Individual and combined effects of copper and silver ions on inactivation of <i>Legionella pneumophila</i> . <i>Water Research</i> , 1996, 30, 1905-1913. | 11.3 | 121 |
| 121 | Use of centrifuge for pretreatment of combined wastewaters from a plasticizer manufacturing facility. <i>Water Environment Research</i> , 1996, 68, 893-899. | 2.7 | 6 |
| 122 | Impact of oxygen mediated oxidative coupling on adsorption kinetics. <i>Water Research</i> , 1994, 28, 263-268. | 11.3 | 15 |
| 123 | Oxidative coupling of phenols on activated carbon: impact on adsorption equilibrium. <i>Environmental Science & Technology</i> , 1993, 27, 2079-2085. | 10.0 | 125 |
| 124 | Competitive Adsorption of Phenols on GAC. II: Adsorption Dynamics under Anoxic Conditions. <i>Journal of Environmental Engineering, ASCE</i> , 1993, 119, 1044-1057. | 1.4 | 11 |
| 125 | Competitive Adsorption of Phenols on GAC. I: Adsorption Equilibrium. <i>Journal of Environmental Engineering, ASCE</i> , 1993, 119, 1026-1043. | 1.4 | 31 |
| 126 | Molecular oxygen and the adsorption of phenols—effect of functional groups. <i>Water Environment Research</i> , 1993, 65, 156-161. | 2.7 | 29 |

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|-----|--|------|-----------|
| 127 | Effect of GAC characteristics on adsorption of organic pollutants. Water Environment Research, 1993, 65, 53-57. | 2.7 | 35 |
| 128 | Operating capacity of GAC adsorbers-dissolved oxygen and extended service life. Water Environment Research, 1992, 64, 798-804. | 2.7 | 10 |
| 129 | Selecting Batch Studies for Adsorber Design: Molecular Oxygen's Role. Journal - American Water Works Association, 1992, 84, 101-109. | 0.3 | 16 |
| 130 | Role of dissolved oxygen on the adsorptive capacity of activated carbon for synthetic and natural organic matter. Environmental Science & Technology, 1991, 25, 1612-1618. | 10.0 | 121 |