





Richard Luthy

 Curriculum Vitae available Online  Resume available Online

CONTACT INFORMATION

- **Profile Administrator**

Ryan Johnson - DFO

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Bio

BIO

Richard G. Luthy was the Silas H. Palmer Professor of Civil and Environmental Engineering. He was the Director of the NSF Engineering Research Center for Re-inventing the Nation's Urban Water Infrastructure (ReNUWit), a four-university consortium that sought more sustainable solutions to urban water challenges in the arid west.

His area of teaching and research was environmental engineering and water quality with applications to water reuse, stormwater use, and systems-level analysis of our urban water challenges. His research addressed management of persistent organic contaminants and contaminants of emerging concern in natural systems that are engineered to improve water quality and protect the environment and human health.

Professor Luthy was a past chair of the National Research Council's Water Science and Technology Board and a former President of the Association of Environmental Engineering and Science Professors. He chaired the NRC's Committee on the Beneficial Use of Stormwater and Graywater. He was a registered professional engineer, a board certified environmental engineer, and a member of the National Academy of Engineering.

ACADEMIC APPOINTMENTS

- Member, Bio-X

HONORS AND AWARDS

- Honor Award for Scientific Excellence for Improving Water Quality, American Chemical Society, Division of Environmental Chemistry (2023)
- Perry L. McCarty AEESP Founders Award, Association of Environmental Engineering and Science Professors (2023)
- Rudolf Hering Medal, American Society of Civil Engineers (2022)
- Excellence in Computational Hydraulics/Hydrology Award, AEESP (2020)
- Legend and Pioneer in Environmental Engineering, ASCE Environmental Engineering (2020)
- Innovation Award & Green Engineering Award, American Society of Civil Engineers (2017)
- Gordon Maskew Fair Award, American Academy of Environmental Engineer & Scientists (2015)
- Chair, National Research Council Committee on Beneficial Use of Stormwater and Graywater (2013-2015)
- Fellow, Water Environment Federation (2013)

- Civil & Environmental Engineering Academy of Distinguished Alumni, University of California, Berkeley (2012)
- Distinguished Lecturer, AEESP (2011-2012)
- Einstein Chair Professor, Chinese Academy of Sciences (2005)
- Chair Professor, Dept. of Environ. Sci. and Eng., Tsinghua University, Beijing, China (2004-2007)
- Jack Edward McKee Medal, Water Environment Federation (2000)

BOARDS, ADVISORY COMMITTEES, PROFESSIONAL ORGANIZATIONS

- Member, National Academy of Engineering (1999 - present)

PROFESSIONAL EDUCATION

- Hon. Sci. D., Clarkson University, Potsdam, NY , Environmental Engineering (2005)
- Ph.D., University of California, Berkeley, CA , Civil Engineering (Environmental Engineering) (1976)
- M.S., University of California, Berkeley, CA , Civil Engineering (Environmental Engineering) (1974)
- M.S., University of Hawaii, Honolulu, HI , Ocean Engineering (1969)
- B.S., University of California, Berkeley, CA , Chemical Engineering (1967)

LINKS

- Luthy Group: <https://luthygroup.stanford.edu>
- ReNUWit - Urban Water: <http://www.renuwit.org>

Research & Scholarship

CURRENT RESEARCH AND SCHOLARLY INTERESTS

Dick Luthy's area of teaching and research is environmental engineering and water quality with applications to water reuse, stormwater use, and systems-level analysis of our urban water challenges. His research addresses organic contaminants and contaminants of emerging concern in natural systems that are engineered to improve water quality and protect the environment and human health.

He chaired the recent National Research Council's study on the beneficial use of graywater and stormwater. He is a member of the National Academy of Engineering, the Academy of Distinguished Alumni—Department of Civil & Environmental Engineering, UC Berkeley, and a Fellow of the Water Environment Federation.

He was the Director of the former NSF Engineering Research Center for Re-inventing the Nation's Urban Water Infrastructure (ReNUWit).

Teaching

COURSES

2025-26

- Environmental Engineering Seminar: CEE 269 (Aut)

2024-25

- Movement and Fate of Organic Contaminants in Waters: CEE 270 (Aut)
- Physical and Chemical Treatment Processes: CEE 271A (Win)
- Water Supply and Management in California and the West: CEE 279X (Spr)

2023-24

- Case Studies in Water Supply and Management in California and the West: CEE 279X (Spr)
- Movement and Fate of Organic Contaminants in Waters: CEE 270 (Aut)
- Physical and Chemical Treatment Processes: CEE 271A (Win)

2022-23

- Environmental Engineering Seminar: CEE 269A (Aut)
- Movement and Fate of Organic Contaminants in Waters: CEE 270 (Aut)
- Physical and Chemical Treatment Processes: CEE 271A (Win)

Publications

PUBLICATIONS

- **Stormwater Capture Efficiency of Dry Wells and Effects of Precipitation Conditions and Deployment Strategies** *ACS ES&T WATER*
Li, Y., Fletcher, S. M., Wessel, C., Andersen, Y., Luthy, R. G.
2025
- **Hydrophilic Organic Compound Migration in Biochar-Amended Stormwater Filters with Dynamic Conditions and Varied Background Dissolved Organic Carbon Contents.** *Environmental science & technology*
Pritchard, J. C., Cho, Y. M., Spahr, S., Luthy, R. G.
2025
- **Combined UV/H₂O₂ and biochar processes for enhanced removal of contaminants of emerging concern in dry wells.** *Water research*
Li, Y., Pritchard, J. C., Wessel, C., Andersen, Y., Duan, Y., Wang, Y., Luthy, R. G.
2025; 274: 123159
- **Assessing Regional Strategies to Cope with Drought, Climate, and Environmental Flow Policy Impacts for a Sustainable Water Supply: A Case Study of the Bay Area.** *Environmental science & technology*
Gile, B. C., Holmes, R. T., Sherris, A. R., Fendorf, S., Luthy, R. G.
2024
- **Feasibility evaluation of a blended cover with activated carbon for in-situ stabilization of DDT in sediment.** *Journal of contaminant hydrology*
Cho, Y., Pauken, B. J., Tovkach, A. E., Fringer, O. B., Monismith, S. G., Luthy, R. G.
2024; 267: 104445
- **Flow rate and kinetics of trace organic contaminants removal in black carbon-amended engineered media filters for improved stormwater runoff treatment.** *Water research*
Pritchard, J. C., Hawkins, K. M., Cho, Y. M., Spahr, S., Higgins, C. P., Luthy, R. G.
2024; 258: 121811
- **Controlling saturation to improve per- and polyfluoroalkyl substance (PFAS) removal in biochar-amended stormwater bioretention systems** *ENVIRONMENTAL SCIENCE-WATER RESEARCH & TECHNOLOGY*
Hawkins, K., Pritchard, J., Struck, S., Cho, Y., Luthy, R. G., Higgins, C. P.
2024
- **Water Supply Planning in the Face of Drought and Ecosystem Flows: Examining the Impact of the Bay-Delta Plan on Bay Area Water Supply.** *Environmental science & technology*
Gile, B. C., Sherris, A. R., Holmes, R. T., Fendorf, S., Luthy, R. G.
2024
- **Inducing Evapotranspiration Reduction in an Engineered Natural System to Manage Saltcedar in Riparian Areas of Arid Environments** *WATER*
Solis, J. C., Bawazir, A., Tanzy, B. F., Luthy, R. G., Jeon, S.
2024; 16 (1)
- **Predicting PFAS and Hydrophilic Trace Organic Contaminant Transport in Black Carbon-Amended Engineered Media Filters for Improved Stormwater Runoff Treatment.** *Environmental science & technology*
Pritchard, J. C., Cho, Y. M., Hawkins, K. M., Spahr, S., Higgins, C. P., Luthy, R. G.

2023

- **Urban stormwater capture for water supply: look out for persistent, mobile and toxic substances** *ENVIRONMENTAL SCIENCE-WATER RESEARCH & TECHNOLOGY*
Mutzner, L., Zhang, K., Luthy, R. G., Arp, H. H., Spahr, S.
2023
- **Obituary Perry L. McCarty 1931-2023** *NATURE SUSTAINABILITY*
Criddle, C. S., Luthy, R. G., Rittmann, B. E., Shin, C.
2023
- **Black Carbon-Amended Engineered Media Filters for Improved Treatment of Stormwater Runoff.** *ACS environmental Au*
Pritchard, J. C., Hawkins, K. M., Cho, Y., Spahr, S., Struck, S. D., Higgins, C. P., Luthy, R. G.
2023; 3 (1): 34-46
- **Dissolved Methane Recovery and Trace Contaminant Fate Following Mainstream Anaerobic Treatment of Municipal Wastewater.** *ACS ES&T engineering*
Galdi, S. M., Szczuka, A., Shin, C., Mitch, W. A., Luthy, R. G.
2023; 3 (1): 121-130
- **Use of pilot-scale geomedia-amended biofiltration system for removal of polar trace organic and inorganic contaminants from stormwater runoff.** *Water research*
Teixido, M., Charbonnet, J. A., LeFevre, G. H., Luthy, R. G., Sedlak, D. L.
2022; 226: 119246
- **Performance of biochars for the elimination of trace organic contaminants and metals from urban stormwater** *ENVIRONMENTAL SCIENCE-WATER RESEARCH & TECHNOLOGY*
Spahr, S., Teixido, M., Gall, S. S., Pritchard, J. C., Hagemann, N., Helmreich, B., Luthy, R. G.
2022
- **Integrated Water Management at the Peri-Urban Interface: A Case Study of Monterey, California** *WATER*
Gile, B. C., Sciuto, P. A., Ashoori, N., Luthy, R. G.
2020; 12 (12)
- **Urban Water Revolution: Sustainable Water Futures for California Cities** *JOURNAL OF ENVIRONMENTAL ENGINEERING*
Luthy, R. G., Wolfand, J. M., Bradshaw, J. L.
2020; 146 (7)
- **Biochar-augmented biofilters to improve pollutant removal from stormwater - can they improve receiving water quality?** *ENVIRONMENTAL SCIENCE-WATER RESEARCH & TECHNOLOGY*
Boehm, A. B., Bell, C. D., Fitzgerald, N. J. M., Gallo, E., Higgins, C. P., Hogue, T. S., Luthy, R. G., Portmann, A. C., Ulrich, B. A., Wolfand, J. M.
2020; 6 (6): 1520-37
- **Hydrophilic trace organic contaminants in urban stormwater: occurrence, toxicological relevance, and the need to enhance green stormwater infrastructure** *ENVIRONMENTAL SCIENCE-WATER RESEARCH & TECHNOLOGY*
Spahr, S., Teixido, M., Sedlak, D. L., Luthy, R. G.
2020; 6 (1): 15-44
- **Biochar-augmented biofilters (BIOCHARge) to improve pollutant removal from stormwater: Can they improve receiving water quality?**
Boehm, A., Luthy, R., Wolfand, J., Higgins, C., Hogue, T., Fitzgerald, N., Kranner, B., Eisenstein, W., Ulrich, B.
AMER CHEMICAL SOC.2019
- **Enhanced removal of hydrophilic organic contaminants from urban stormwater in biochar-amended biofilters**
Spahr, S., Teixido, M., Sedlak, D., Luthy, R.
AMER CHEMICAL SOC.2019
- **Enhanced removal of urban stormwater runoff contaminants using biochar and manganese oxide-coated sand geomedia in a sequential biofiltration system**
Teixido, M., Spahr, S., Luthy, R., Sedlak, D.
AMER CHEMICAL SOC.2019

- **Urban stormwater to enhance water supply**
Luthy, R.
AMER CHEMICAL SOC.2019
- **Global diversity and biogeography of bacterial communities in wastewater treatment plants** *NATURE MICROBIOLOGY*
Wu, L., Ning, D., Zhang, B., Li, Y., Zhang, P., Shan, X., Zhang, Q., Brown, M., Li, Z., Van Nostrand, J. D., Ling, F., Xiao, N., Zhang, et al
2019; 4 (7): 1183–95
- **Urban Stormwater to Enhance Water Supply** *ENVIRONMENTAL SCIENCE & TECHNOLOGY*
Luthy, R. G., Sharvelle, S., Dillon, P.
2019; 53 (10): 5534–42
- **Evaluation of pilot-scale biochar-amended woodchip bioreactors to remove nitrate, metals, and trace organic contaminants from urban stormwater runoff** *WATER RESEARCH*
Ashoori, N., Teixido, M., Spahr, S., LeFevre, G. H., Sedlak, D. L., Luthy, R. G.
2019; 154: 1–11
- **Occurrence of Urban-Use Pesticides and Management with Enhanced Stormwater Control Measures at the Watershed Scale** *ENVIRONMENTAL SCIENCE & TECHNOLOGY*
Wolfand, J. M., Seller, C., Bell, C. D., Cho, Y., Oetjen, K., Hogue, T. S., Luthy, R. G.
2019; 53 (7): 3634–44
- **Quantifying the temperature dependence of nitrate reduction in woodchip bioreactors: experimental and modeled results with applied case-study** *ENVIRONMENTAL SCIENCE-WATER RESEARCH & TECHNOLOGY*
Halaburka, B. J., LeFevre, G. H., Luthy, R. G.
2019; 5 (4): 782–97
- **Modeling Cost, Energy, and Total Organic Carbon Trade-Offs for Stormwater Spreading Basin Systems Receiving Recycled Water Produced Using Membrane-Based, Ozone-Based, and Hybrid Advanced Treatment Trains** *ENVIRONMENTAL SCIENCE & TECHNOLOGY*
Bradshaw, J. L., Ashoori, N., Osorio, M., Luthy, R. G.
2019; 53 (6): 3128–39
- **Modeling Cost, Energy, and Total Organic Carbon Trade-Offs for Stormwater Spreading Basin Systems Receiving Recycled Water Produced Using Membrane-Based, Ozone-Based, and Hybrid Advanced Treatment Trains.** *Environmental science & technology*
Bradshaw, J. L., Ashoori, N., Osorio, M., Luthy, R. G.
2019; 53 (6): 3128–39
- **System Modeling, Optimization, and Analysis of Recycled Water and Dynamic Storm Water Deliveries to Spreading Basins for Urban Groundwater Recharge** *WATER RESOURCES RESEARCH*
Bradshaw, J. L., Osorio, M., Schmitt, T. G., Luthy, R. G.
2019; 55 (3): 2446–63
- **Evaluation of pilot-scale biochar-amended woodchip bioreactors to remove nitrate, metals, and trace organic contaminants from urban stormwater runoff.** *Water research*
Ashoori, N., Teixido, M., Spahr, S., LeFevre, G. H., Sedlak, D. L., Luthy, R. G.
2019; 154: 1–11
- **Benzotriazole Uptake and Removal in Vegetated Biofilter Mesocosms Planted with *Carex praegracilis*** *WATER*
Pritchard, J., Cho, Y., Ashoori, N., Wolfand, J. M., Sutton, J. D., Carolan, M. E., Gamez, E., Doan, K., Wiley, J. S., Luthy, R. G.
2018; 10 (11)
- **Activated carbon amendment for treatment of sediment contaminated with DDT and other hydrophobic organic pollutants concentrated 10-100x more than prior studies**
Pritchard, C., Cho, Y., Luthy, R.
AMER CHEMICAL SOC.2018
- **Additive remediation effectiveness of activated carbon amendment on fungal degradation of fluorene and its heteroatomic analogs: Dibenzofuran, dibenzothiophene, and carbazole**
Zhang, Z., Cho, Y., Wolfand, J., Choi, Y., Luthy, R.
AMER CHEMICAL SOC.2018

- **HOC mass transfer modeling with consideration of bioturbation and on-going sediment influx**
Cho, Y., Werner, D., Choi, Y., Luthy, R.
AMER CHEMICAL SOC.2018
- **Harnessing woodchips to remove pharmaceuticals and anticorrosive substances**
Tseng, Y., Lai, W., Tung, H., Luthy, R., Lin, A.
AMER CHEMICAL SOC.2018
- **Multiple Pathways to Bacterial Load Reduction by Stormwater Best Management Practices: Trade-Offs in Performance, Volume, and Treated Area** *ENVIRONMENTAL SCIENCE & TECHNOLOGY*
Wolfand, J. M., Bell, C. D., Boehm, A. B., Hogue, T. S., Luthy, R. G.
2018; 52 (11): 6370–79
- **Enhanced removal of nutrients and trace organic contaminants from urban runoff using biochar and manganese oxide-coated sand geomedia in capture, treatment, and recharge systems**
Teixido, M., Charbonnet, J., Ashoori, N., Luthy, R., Sedlak, D.
AMER CHEMICAL SOC.2018
- **Harvesting urban stormwater runoff for water supply**
Luthy, R., Spahr, S., Ashoori, N., Planes, M., Sedlak, D.
AMER CHEMICAL SOC.2018
- **Connecting recycled water to spreading basins for combined operation and greater water supply resiliency**
Bradshaw, J., Ashoori, N., Gonzalez, M., Schmitt, T., Luthy, R.
AMER CHEMICAL SOC.2018
- **Bioturbation facilitates DDT sequestration by activated carbon against recontamination by sediment deposition.** *Environmental toxicology and chemistry*
Lin, D., Cho, Y., Tommerdahl, J. P., Werner, D., Luthy, R. G.
2018
- **Assessment of hydrophobic organic contaminant availability in sediments after sorbent amendment and its complete removal** *ENVIRONMENTAL POLLUTION*
Wu, Y., Cho, Y., Luthy, R. G., Kim, K., Jung, J., Gala, W. R., Choi, Y.
2017; 231: 1380–87
- **Modeling and Optimization of Recycled Water Systems to Augment Urban Groundwater Recharge through Underutilized Stormwater Spreading Basins** *ENVIRONMENTAL SCIENCE & TECHNOLOGY*
Bradshaw, J. L., Luthy, R. G.
2017; 51 (20): 11809–19
- **Toolset for assessment of natural recovery from legacy contaminated sediment: Case study of Pallanza Bay, Lake Maggiore, Italy.** *Water research*
Lin, D., Cho, Y., Oen, A., Eek, E., Tommerdahl, J. P., Luthy, R. G.
2017; 121: 109-119
- **Evaluation of Mechanistic Models for Nitrate Removal in Woodchip Bioreactors** *ENVIRONMENTAL SCIENCE & TECHNOLOGY*
Halaburka, B. J., Lefevre, G. H., Luthy, R. G.
2017; 51 (9): 5156-5164
- **Optimization of urban groundwater recharge systems that infiltrate combined stormwater and recycled water through surface spreading basins**
Bradshaw, J., Luthy, R.
AMER CHEMICAL SOC.2017
- **Benzotriazole (BT) and BT plant metabolites in crops irrigated with recycled water** *ENVIRONMENTAL SCIENCE-WATER RESEARCH & TECHNOLOGY*
Lefevre, G. H., Lipsky, A., Hyland, K. C., Blaine, A. C., Higgins, C. P., Luthy, R. G.
2017; 3 (2): 213-223

- **Performance of retrievable activated carbons to treat sediment contaminated with polycyclic aromatic hydrocarbons** *JOURNAL OF HAZARDOUS MATERIALS*
Choi, Y., Wu, Y., Sani, B., Luthy, R. G., Werner, D., Kim, E.
2016; 320: 359-367
- **Non-equilibrium passive sampling of hydrophobic organic contaminants in sediment pore-water: PCB exchange kinetics** *JOURNAL OF HAZARDOUS MATERIALS*
Choi, Y., Wu, Y., Luthy, R. G., Kang, S.
2016; 318: 579-586
- **Escherichia coli Reduction by Bivalves in an Impaired River Impacted by Agricultural Land Use.** *Environmental science & technology*
Ismail, N. S., Tommerdahl, J. P., Boehm, A. B., Luthy, R. G.
2016; 50 (20): 11025-11033
- **Metabolization and degradation kinetics of the urban-use pesticide fipronil by white rot fungus *Trametes versicolor*.** *Environmental science. Processes & impacts*
Wolfand, J. M., Lefevre, G. H., Luthy, R. G.
2016; 18 (10): 1256-1265
- **Metabolism of the xenobiotic compound benzotriazole in Arabidopsis plants**
LeFevre, G., Lipsky, A., Mueller, C., Sattely, E., Luthy, R.
AMER CHEMICAL SOC.2016
- **Engineered natural treatment systems at the food-energy-water nexus: The influence of vegetation on micropollutant fate**
LeFevre, G., Portmann, A., Luthy, R.
AMER CHEMICAL SOC.2016
- **Metabolization and degradation kinetics of the urban-use pesticide fipronil by white rot fungi *Trametes versicolor***
Wolfand, J., LeFevre, G., Luthy, R.
AMER CHEMICAL SOC.2016
- **Plant Assimilation Kinetics and Metabolism of 2-Mercaptobenzothiazole Tire Rubber Vulcanizers by Arabidopsis** *ENVIRONMENTAL SCIENCE & TECHNOLOGY*
Lefevre, G. H., Portmann, A. C., Muller, C. E., Sattely, E. S., Luthy, R. G.
2016; 50 (13): 6762-6771
- **Reductive dehalogenation of disinfection byproducts by an activated carbon-based electrode system** *WATER RESEARCH*
Li, Y., Kemper, J. M., Datuin, G., Akey, A., Mitch, W. A., Luthy, R. G.
2016; 98: 354-362
- **Measuring and Modeling Organochlorine Pesticide Response to Activated Carbon Amendment in Tidal Sediment Mesocosms** *ENVIRONMENTAL SCIENCE & TECHNOLOGY*
Thompson, J. M., Hsieh, C., Hoelen, T. P., Weston, D. P., Luthy, R. G.
2016; 50 (9): 4769-4777
- **COMPETING MECHANISMS FOR PERFLUOROALKYL ACID ACCUMULATION IN PLANTS REVEALED USING AN ARABIDOPSIS MODEL SYSTEM** *ENVIRONMENTAL TOXICOLOGY AND CHEMISTRY*
Mueller, C. E., Lefevre, G. H., Timofte, A. E., Hussain, F. A., Sattely, E. S., Luthy, R. G.
2016; 35 (5): 1138-1147
- **Competing mechanisms for perfluoroalkyl acid accumulation in plants revealed using an Arabidopsis model system.** *Environmental toxicology and chemistry*
Müller, C. E., Lefevre, G. H., Timofte, A. E., Hussain, F. A., Sattely, E. S., Luthy, R. G.
2016; 35 (5): 1138-1147
- **Decision-making framework for the application of in-situ activated carbon amendment to sediment.** *Journal of hazardous materials*
Choi, Y., Cho, Y., Gala, W. R., Hoelen, T. P., Werner, D., Luthy, R. G.
2016; 306: 184-192
- **Development of a novel non-equilibrium passive sampling method using polyethylene with multiple thicknesses**
Kim, K., Jung, J., Choi, Y., Luthy, R.

AMER CHEMICAL SOC.2016

- **Discovery of benzotriazole and novel plant metabolites in Arabidopsis and food crops**
LeFevre, G., Lipsky, A., Sattely, E., Higgins, C., Hyland, K., Luthy, R.
AMER CHEMICAL SOC.2016
- **Secondary environmental impacts of remedial alternatives for sediment contaminated with hydrophobic organic contaminants** *JOURNAL OF HAZARDOUS MATERIALS*
Choi, Y., Thompson, J. M., Lin, D., Cho, Y., Ismail, N. S., Hsieh, C., Luthy, R. G.
2016; 304: 352-359
- **Secondary environmental impacts of remedial alternatives for sediment contaminated with hydrophobic organic contaminants.** *Journal of hazardous materials*
Choi, Y., Thompson, J. M., Lin, D., Cho, Y. M., Ismail, N. S., Hsieh, C. H., Luthy, R. G.
2016; 304: 352-9
- **Predicted effectiveness of in-situ activated carbon amendment for field sediment sites with variable site- and compound-specific characteristics** *JOURNAL OF HAZARDOUS MATERIALS*
Choi, Y., Cho, Y., Luthy, R. G., Werner, D.
2016; 301: 424-432
- **Predicted effectiveness of in-situ activated carbon amendment for field sediment sites with variable site- and compound-specific characteristics.** *Journal of hazardous materials*
Choi, Y., Cho, Y. M., Luthy, R. G., Werner, D.
2016; 301: 424-32
- **Novel Probe for in Situ Measurement of Freely Dissolved Aqueous Concentration Profiles of Hydrophobic Organic Contaminants at the Sediment-Water Interface** *ENVIRONMENTAL SCIENCE & TECHNOLOGY LETTERS*
Lin, D., Eek, E., Oen, A., Cho, Y., Cornelissen, G., Tommerdahl, J., Luthy, R. G.
2015; 2 (11): 320-324
- **Wastewater-effluent-dominated streams as ecosystem-management tools in a drier climate** *FRONTIERS IN ECOLOGY AND THE ENVIRONMENT*
Luthy, R. G., Sedlak, D. L., Plumlee, M. H., Austin, D., Resh, V. H.
2015; 13 (9): 477-485
- **Rapid Phytotransformation of Benzotriazole Generates Synthetic Tryptophan and Auxin Analogs in Arabidopsis.** *Environmental science & technology*
Lefevre, G. H., Müller, C. E., Li, R. J., Luthy, R. G., Sattely, E. S.
2015; 49 (18): 10959-10968
- **Urban Water-Supply Reinvention** *DAEDALUS*
Luthy, R. G., Sedlak, D. L.
2015; 144 (3): 72-82
- **In situ sediment treatment using activated carbon: A demonstrated sediment cleanup technology.** *Integrated environmental assessment and management*
Patmont, C. R., Ghosh, U., LaRosa, P., Menzie, C. A., Luthy, R. G., Greenberg, M. S., Cornelissen, G., Eek, E., Collins, J., Hull, J., Hjartland, T., Glaza, E., Bleiler, et al
2015; 11 (2): 195-207
- **Modeling uptake of hydrophobic organic contaminants into polyethylene passive samplers.** *Environmental science & technology*
Thompson, J. M., Hsieh, C., Luthy, R. G.
2015; 49 (4): 2270-2277
- **Improvement of Urban Lake Water Quality by Removal of Escherichia coli through the Action of the Bivalve Anodonta californiensis.** *Environmental science & technology*
Ismail, N. S., Dodd, H., Sassoubre, L. M., Horne, A. J., Boehm, A. B., Luthy, R. G.
2015; 49 (3): 1664-1672
- **Issues of Governance, Policy, and Law in Managing Urban-Rural and Groundwater-Surface Water Connections**
Nelson, R., Bichel, H. N., Luthy, R. G., Thompson, B. H.

edited by Grafton, Q., Daniell, K. A., Nauges, C., Rinaudo, J. D., Chan, N. W.
SPRINGER-VERLAG BERLIN.2015: 463–88

- **Assessment of the crop coefficient for saltgrass under native riparian field conditions in the desert southwest** *HYDROLOGICAL PROCESSES*
Bawazir, A. S., Luthy, R., King, J. P., Tanzy, B. F., Solis, J.
2014; 28 (25): 6163-6171
- **Engagement at the Science-Policy Interface** *ENVIRONMENTAL SCIENCE & TECHNOLOGY*
Hering, J. G., Dzombak, D. A., Green, S. A., Luthy, R. G., Swackhamer, D.
2014; 48 (19): 11031-11033
- **Engagement at the science-policy interface.** *Environmental science & technology*
Hering, J. G., Dzombak, D. A., Green, S. A., Luthy, R. G., Swackhamer, D.
2014; 48 (19): 11031-11033
- **Uptake of Contaminants of Emerging Concern by the Bivalves *Anodonta californiensis* and *Corbicula fluminea*.** *Environmental science & technology*
Ismail, N. S., Müller, C. E., Morgan, R. R., Luthy, R. G.
2014; 48 (16): 9211-9219
- **Use of bivalves in natural systems for removal of contaminants of emerging concern**
Ismail, N. S., Mueller, C. E., Morgan, R. R., Luthy, R. G.
AMER CHEMICAL SOC.2014
- **Thin-layer AC placement for sequestering DDT contaminated sediment facilitated by bioturbation**
Lin, D., Cho, Y., Werner, D., Tommerdahl, J., Luthy, R. G.
AMER CHEMICAL SOC.2014
- **Remedy performance monitoring at contaminated sediment sites using profiling solid phase microextraction (SPME) polydimethylsiloxane (PDMS) fibers (vol 16, pg 445, 2014)** *ENVIRONMENTAL SCIENCE-PROCESSSES & IMPACTS*
Thomas, C., Lampert, D., Reible, D., Janssen, E., Luthy, R. G.
2014; 16 (8): 2049
- **In Situ Sequestration of Hydrophobic Organic Contaminants in Sediments under Stagnant Contact with Activated Carbon. 1. Column Studies.** *Environmental science & technology*
Choi, Y., Cho, Y., Luthy, R. G.
2014; 48 (3): 1835-1842
- **In Situ Sequestration of Hydrophobic Organic Contaminants in Sediments under Stagnant Contact with Activated Carbon. 2. Mass Transfer Modeling.** *Environmental science & technology*
Choi, Y., Cho, Y., Werner, D., Luthy, R. G.
2014; 48 (3): 1843-1850
- **Bioturbation Delays Attenuation of DDT by Clean Sediment Cap but Promotes Sequestration by Thin-Layered Activated Carbon** *ENVIRONMENTAL SCIENCE & TECHNOLOGY*
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