A. Papers in Refereed Journals

- Bergquist, A-K., Ehrenfeld, J. R., Schendler, A., Cole, S. A., and King, A. A., "Understanding and Overcoming Roadblocks to Environmental Sustainability. Past Roads and Future Prospects," <u>Business History Review</u>, 93(1): 127-148, 2019
- Ehrenfeld, J. R., "Flourishing: designing a brave new world," <u>She Ji: The Journal of Design</u>, <u>Economics</u>, and <u>Innovation</u>, 5(2), 2019
- Laszlo, C. et al., "Flourishing: A Vision for Business and the World," <u>The Journal of Corporate</u> <u>Citizenship</u>, **46** (Summer), 2012.
- Chertow, M. and J. R. Ehrenfeld, "Organizing Self-organizing Systems," Journal of Industrial <u>Ecology</u>, 16(1): 13-27, 2012.
- Ehrenfeld, J. R., "Would Industrial Ecology Exist without Sustainability in the Background?," Journal of Industrial Ecology, 11(1):73-84, 2007
- Ehrenfeld, J. R., "Industrial ecology: a new field or only a metaphor?", Journal of Cleaner Production, 12 (8-10):825-831, 2004.
- Conceição, P., J. R. Ehrenfeld, M. Heitor, and P. Vieira, "Fostering learning beyond environmental management systems" International Journal of Technology, Policy and Management, 4 (4), 2004.
- Howard, J., J. Nash, and J. R. Ehrenfeld, "Standard or Smokescreen? Implementation of a Nonregulatory Environmental Code," <u>California Management Review</u>, **42**(2): 63-71, 2000.
- Ehrenfeld, J. R., "Industrial Ecology: Paradigm or Normal Science?" <u>American Behavioral Scientist</u>, **44**(2): 229-244, 2000.
- Lenox, M., A. King, and J. R. Ehrenfeld. "An Assessment of Design-for-Environment Practices in Leading U.S. Electronics Firms," <u>Interfaces</u>, 30(3): 83-94, 2000.
- Switzer, J and J. R. Ehrenfeld, "ISO 14001 and Goal Setting: Promises Kept," <u>Environmental Quality</u> <u>Management</u>, 9(2): 1-24, 1999.
- Switzer, J and J. R. Ehrenfeld, "Independent Environmental Auditors: What Does ISO 14001 Registration Really Mean?" <u>Environmental Quality Management</u>, **9**(1): 17-33, 1999.
- Howard, J., J. Nash, and J. R. Ehrenfeld, "Industry Codes as Agents of Change: Responsible Care Adoption by US Chemical Companies," <u>Business, Strategy, and the Environment</u>, 8(5): 281-295, 1999.
- Biswas, G., Clift, R., et al., "Econometrics: Identification, Categorization and Life Cycle Validation," <u>The International Journal of Life Cycle Management</u>, **3** (4): 184-190, 1998.
- Ehrenfeld, J. R., "The Importance of LCAs: Warts and All," Journal of Industrial Ecology, 1, (2): 41-49, 1997.
- Nash, J., and J. R. Ehrenfeld, "Codes of Environmental Management Practice: Assessing Their Potential as a Tool for Change," in <u>1996 Annual Review of Energy and Environment</u>, Annual Reviews, Inc., Palo Alto, CA, **22**: 487-535, 1997.
- Lenox, M., and J. R. Ehrenfeld, "Organizing for Effective Environmental Design," <u>Business Strategy</u> and the Environment, 6(4): 1-10, 1997.
- Ehrenfeld, J. R., and M. Lenox, "The development and implementation of DfE programmes," Journal of Sustainable Product Design, 1(April): 17-27, 1997
- Ehrenfeld, J. R. and N. Gertler, "Industrial Ecology in Practice: The Evolution of Interdependence at Kalundborg," Journal of Industrial Ecology, 1(1): 67-79, 1997.

- Ehrenfeld, J. R., "Industrial ecology: a framework for product and process design," Journal of Cleaner Production, 5 (1-2): 87-95, 1997.
- Ehrenfeld, J. R., "Risk Assessment and Management: A Critique of Current Practices and Policy Implications," Industrial and Environmental Crisis Quarterly, **9** (3): 376-404, 1996.
- Lenox, M. and J. R. Ehrenfeld, "Design for Environment: A Taxonomy," <u>Total Quality Environmental</u> <u>Management</u>, **4** (4), Summer 1995.
- Maxwell, J., et al., "Preventing Waste Beyond Company Walls: P & G's Response to the Need for Environmental Quality," Pollution Prevention Review, 3 (3): 317-333, 1993.
- Nash, J., et al., "Polaroid's Environmental Accounting and Reporting System: Benefits and Limitations of a TQEM Measurement Tool," <u>Total Quality Environmental Management</u>, Autumn 1992.
- Berube, M., et al., "From Pollution Control to Zero Discharge: How the Robbins Company Overcame the Obstacles," <u>Pollution Prevention Review</u>, Spring, 1992.
- Hilz, C., and J. R. Ehrenfeld, "Transboundary Movements of Hazardous Wastes: A Comparative Analysis of Policy Options to Control the International Waste Trade," <u>International Environmental Affairs</u>, Winter 1991.
- Ehrenfeld, J. R., E. P. Craig, and J. Nash, "Waste Incineration: Confronting the Sources of Disagreement," <u>Environmental Impact Assessment Review</u>, **9**, 1989.

Ehrenfeld, J. R., et al., "Hugoniot Equation of State for Alkali Metals", J. Appl. Phys., 1966.

- Doyle, A. W., N. M. Wiederhorn, and J. R. Ehrenfeld, "Theory and Operation of the AGA Light-scattering Photometer", <u>American Gas Journal</u>, 1959.
- Ehrenfeld, J. R., C. B. Moore, and N. M. Wiederhorn, "Instruments Used in Collecting and Defining Particles in Gas Streams", <u>American Gas Journal</u>, 1959.

Ehrenfeld, J. R., et al., "The Physics of Small Particles", American Gas Journal, 1959.

B. Books and Book Chapters

Ehrenfeld, J., The Right Way to Flourish: Reconnecting with the Real World. Routledge, 2019

- Ehrenfeld, J. "The Error of Trying to Measure Good and Bad." In *Making Literature Matter: An Anthology for Readers and Writers*, edited by J. Schilb and J. Clifford. Boston: Bedford/St. Martins, 2017.
- Ehrenfeld, J. R., "Sustainability Beyond Growth: Toward an Ethics of Flourishing" in *The Routledge Handbook of the History of Sustainability*, J. Caradonna, ed. Routledge, 2017.
- Laszlo, C. J., J. Brown et al., Flourishing: A Vision for business and the World, in *Globalization and Corporate Citizenship: The Alternative Gaze 1st Edition*, M. McIntosh, ed. New York: Routledge. 2015
- Hoffman, A. and J. R. Ehrenfeld, "The fourth wave: management science and practice in the age of the Anthropocene" in *Corporate Stewardship*, S. A. Albers, J. O'Toole, and E. E. Lawler III, eds. Greenleaf. 2015
- Laszlo, C., J. Brown et al., <u>Flourishing Enterprise: The New Spirit of Business</u>, Palo Alto, CA: Stanford Busines Press, 2014.
- Ehrenfeld, J. R., "The real challenge of sustainability" in the <u>Routledge Handbook of Sustainability</u> <u>and Fashion</u>, K. Fletcher and M.Tham, eds. Routledge, 2014.
- Ehrenfeld, J. R., and A. Hoffman, <u>Flourishing: A Frank Conversation about Sustainability</u>. Palo Alto, CA: Stanford Business Press, 2013.

- Ehrenfeld, J. R., "The Roots of Unsustainability" in <u>The Handbook of Design for Sustainability</u>, S. Walker and J. Giard, eds. Bloomfield Publishers, 2013.
- Ehrenfeld, J. R., "Beyond the Brave New World: Business for Sustainability" in the <u>Oxford Handbook</u> <u>of Business and the Natural Environment</u>, P. Bansal and A. J. Hoffman, eds. Oxford: Oxford University Press. 2011.
- Ehrenfeld, J. R. "Reductionism and Its Cultural Fallout" in <u>The coming transformation: Values to</u> <u>sustain human and natural communities</u>. S. R. Kellert and J. G. Speth., eds. New Haven: Yale School Of Forestry & Environmental Studies, 2009.
- Ehrenfeld, J. R., "A Critical View on the Social Science Contribution to Industrial Ecology" in <u>The</u> <u>Social Embeddedness Of Industrial Ecology</u>, F. Boons and J. Howard-Grenville, eds. Cheltenham, UK: Edward Elgar, 2009.
- Ehrenfeld, J. R., <u>Sustainability by Design: A Subversive Strategy for Transforming Our Consumer</u> <u>Culture</u>. New Haven: Yale Press, 2008.
- Ehrenfeld, J. R., "Kann Industrial Ecology die "Wissenschaft der Nachhaltigkeit" werden?" In <u>Auf</u> <u>dem Rücken der Erde - Der Weg der Industrial Ecology zu nachhaltigen industriellen Systemen</u>, edited by A. von Gleich, S. Gossling-Reisemann, and R. Isenmann, 2007. Forthcoming.
- Ehrenfeld, J. R. and P. Ferrao, "Tools to Support Innovation of Sustainable Product Systems," in <u>Knowledge for Inclusive Development</u>. Heitor, M., ed. Westport, CT: Greenwood Publishing Group, 2002.
- Ehrenfeld, J. R, and M. Chertow, "Industrial Symbiosis: The Legacy of Kalundborg" in <u>Handbook of</u> <u>Industrial Ecology</u>, Ayres, R and Ayres, L., eds. Elgar Publishing, 2002.
- Ehrenfeld, J. R., "Environmental Management; New Opportunities for Institutional Theory," in Organizations, Policy and the Natural Environment: Institutional and Strategic Perspectives, Hoffman, A. & M. Ventresca, eds. Stanford, CA: Stanford University Press, 2002.
- Weijnen, M. P. C., Bauer, J. M., Chamoux, J-P., Ehrenfeld, J. R., and Jones, D. N., <u>Walking A Thin</u> <u>Line in Infrastructures: Balancing Short-term Goals and Long-tern Nature</u>, Delft: Delft University Press, 2001.
- Nash, J., and J. Ehrenfeld, "How Firms Implement Environmental Management Systems," in <u>Regulating from the Inside</u>, C. Coglianese, and J. Nash, eds. Washington DC: RFF Press, 2001.
- Switzer, J., J. R. Ehrenfeld, and V. Milledge, "ISO 14001 and Environmental Performance: The Management Goal Link," in <u>ISO 14001 Case Studies and Practical Experience</u>, R. Hillary, ed., Greenleaf Publishing, 2000.
- Fishbein, B. K., J. R. Ehrenfeld, and J. Young, <u>Extended Producer Responsibility: A Materials Policy</u> for the 21st Century, Inform, Inc. New York, 2000
- Field, F. R. III, and J. R. Ehrenfeld, "Life Cycle Analysis: The Role of Evaluation and Strategy," in <u>Measures of Environmental Performance and Ecosystem Condition</u>, P. Schulze, ed., National Academy Press, Washington, DC, 1999.
- Ehrenfeld, J. R. "Putting the Product into Production," in <u>The Brundtland Commission's Report—10</u> <u>Years</u>, Søfting, G. B., et al. Eds. Scandinavian University Press, Oslo, 1998.
- Ehrenfeld, J. R., "The Challenge of Sustainability: Cultural Structure and Corporate Decision-Making," in <u>Better Environmental Decision-making</u>, K. Sexton, et al., Eds. Island Press, 1998.
- Lenox, M., and Ehrenfeld, J. R., "Design for the Environment: A New Framework for Strategic Decisions," in <u>Moving Ahead with ISO 14000</u>, P. A. Marcus and J. T. Willig, Eds. Wiley, New York, 1997.

- Hoffman, A. J. And Ehrenfeld, J. R., "Corporate Environmentalism, Sustainability and Management Studies," in <u>Sustainable Strategies for Industry</u>, N. Roome, Ed., Island Press, New York, 1998.
- Ehrenfeld, J. R., and J. Howard, "Setting Environmental Goals: The View from Industry —A Review of Practices from the 60's to the Present," in <u>Linking Science and Technology to Society's Goals</u>, National Academy Press, Washington, DC, 1996.
- Ehrenfeld, J. R., "Industrial Ecology: A Strategic Framework for Product Policy and Other Sustainable Practices," in <u>Green Goods</u>, E. Ryden and J. Strahl, Eds. Ecocycle Delegation (Kretsloppsdelegationen), Stockholm, Sweden, 1995.
- Ehrenfeld, J. R., "Industrial Ecology and Design for the Environment: The Role of Universities", in <u>The Greening of Industrial Ecosystems</u>, B. R. Allenby and D. J. Richards, Eds. National Academy Press, Washington, DC, 1994.
- Ehrenfeld, J. R., "Social Impacts of Incinerating Hazardous Materials," in <u>Management of Hazardous Agents, Vol. 2: Social, Political, and Policy Aspects</u>, D. G. Levine and A. C. Upton, Eds. Praeger, Westport, CT, 1992.
- Ehrenfeld, J. R., et al., <u>Controlling Volatile Emissions at Hazardous Waste Sites</u>, Noyes Publications, 1986.
- Ehrenfeld, J. R., and J. M. Bass, <u>Evaluation of Remedial Action at Hazardous Waste Disposal Sites</u>, Noyes Data Company, December, 1984.
- Ehrenfeld, J. R., "Use of Isotopes as Tracers," in <u>Nuclear Engineering</u>, edited by R. Weinstein. McGraw-Hill Book Company, New York, 1964.
- Ehrenfeld, J. R., "Determining the Concentration of Fogs by a Space-charge Measuring instrument," in <u>Artificial Stimulation of Rain</u>, edited by H. Weickmann, Pergamon Press, London, 1957.

C. Other Articles and Publications

Flourishing by Design blog since 2008 at www.johnehrenfeld.com.

- Ann-Kristin Bergquist, A-K., Ehrenfeld, J. R., Schendler, A., Cole, S. A., and King, A. A., "Understanding and Overcoming Roadblocks to Environmental Sustainability. Past Roads and Future Prospects, HBS Working paper 19-067, 2019.
- Hoffman, A. and J. R. Ehrenfeld, "The Fourth Wave, Management Science and Practice in the Age of the Anthropocene," Ross School of Business Working Paper No. 1196, April 2014
- Book review: "Christian Schwagërl, *The Anthropocene*." <u>Elementa Science of the Anthropocene</u> **3**: 2015. p.62.
- Book review: "Environmental Literacy in Science and Society: From Knowledge to Decisions, Roland W. Scholz". Journal of Industrial Ecology 18 (1): 156-7, 2014.
- "Sustainability needs to be attained, not managed." <u>Sustainability: Science, Practice, & Policy</u> 4(2):1-3. <u>http://ejournal.nbii.org/archives/vol4iss2/editorial.ehrenfeld.html</u>. 2008
- "Foreword," Dynamics of Industrial Ecosystems, edited by M. Ruth and B. Davidsdottir, 2007.
- "Vorwort," in <u>Industrial Ecology: Mit Ökologie zukunftsorieintiert wirtschaften</u>, edited by R. Isenmann and M. von Hauff. München: Elsevier. 2007.
- "Feeding the Beast," Fast Company, December 2006-January 2007: 42-43.
- Book review: <u>New Horizons in Research on Sustainable Organisations: Emerging Ideas, Approaches</u> <u>and Tools for Practitioners and Researchers</u>, edited by M. Starik and S. Sharma with C. Egri and R. Bunch. <u>Journal of Industrial Ecology</u>. **11**(3):157-159. 2007.
- "Advocacy and Objectivity in Industrial Ecology", Journal of Industrial Ecology. 10(4):1-4. 2006.

- "Industrial ecology: environmental and economic boon", Communities and Banking. Fall 2006. pp. 3-5.
- "Eco-efficiency: Philosophy, Theory, and Tools", Journal of Industrial Ecology. 9(4):6-8. 2005.
- "The Roots of Sustainability", MIT Sloan Management Review. 46(2): 23-25, 2005.
- "Searching for Sustainability: No Quick Fix", <u>Reflections</u>, 5(8):1-13, 2004.
- "Can Industrial Ecology be the 'Science of Sustainability'?", Editorial, <u>Journal of Industrial Ecology</u>. **8**(1):1-3. 2004.
- "Colorless Green Ideas Sleep Furiously: Is the Emergence of 'Sustainable' Practices Meaningful?" <u>Reflections</u>, 1(4): 34-47, 2000.
- Book review: <u>The Emergence of Ecological Modernisation: Integrating the Environment and the Economy</u>, Edited by Stephen C. Young; <u>Ecological Modernisation Around the World: Perspectives and Critical Debates</u>, edited by Arthur P. J. Mol and David A. Sonnenfeld. <u>Journal of Industrial Ecology</u>. **8**(1):269-2721. 2004.
- Book review: <u>Perspectives on Industrial Ecology</u>, Dominique Bourg and Suren Erkman, Editors, Greenleaf Publishing, 2003, Ecological Economics, **49**(1): 107-109. 2004.
- "Sustainability: a radical challenge for designers," O2 Nederland, July 2003, p. 3-7.
- "Putting a Spotlight on Metaphors and Analogies in Industrial Ecology," Editorial, <u>Journal of</u> <u>Industrial Ecology</u>. 7(1). 2003.
- "Industrial ecology and LCM: Chicken and egg? Editorial, <u>International Journal of Life Cycle</u> <u>Analysis</u>. **8**(2): 59-60. 2003
- "Industrial Ecology: Coming of Age," <u>Environmental Science & Technology</u>. July 1, 2002: 281A-285A.
- "Environmental Management Systems: A Partner for Industrial Ecology," Editorial, <u>Journal of</u> <u>Industrial Ecology</u>. **5**(1). 2001 p. 1.
- "Industrial Ecology Begets a Society," Editorial, Journal of Industrial Ecology. 4(3). 2001.
- "Being and Havingness," FORUM for Applied Research and Public Policy, 15 (4): 35-39. 2000
- "Small Steps towards Sustainability: Business since Rio," NJIT Multi-life Cycle Engineering Research Center Newsletter, Spring, 2000.
- "Interpreting Improvement Assessment?" Editorial, Journal of Industrial Ecology. 3(2&3). 2001.
- Book Review, <u>Natural Capitalism</u> by P. Hawken, A. Lovins and L. H. Lovins in Reflections, **1**(2), 1999.
- Book review, The Source of Value: An Executive Briefing and Sourcebook on Industrial Ecology, in Organization and Environment, 11(2): 246-247 1998.
- "Chemical Industry" in The Encyclopedia of Global Change, Oxford University Press, 2002.
- "Comments on the Greening of Industry Network Research Agenda," <u>Business Strategy and the</u> <u>Environment</u>, 1998.
- Implementing Design for Environment: A Primer, Digital Equipment Corporation and MIT Program on Technology, Business and Environment, March 1977.
- "Sustainable Technology," Akso News & Views, February 1997.
- Book review, <u>The Refinement of Production: Ecological Modernization Theory and the Chemical</u> <u>Industry</u>, by Arthur P. J. Mol, in <u>Environmental Impact Assessment Review</u>, Spring 1996.

- "A Down-to Earth Approach to Clean Production," <u>Technology Review</u>, February/March, 1996, pp. 48-54 (with Nicholas Gertler).
- "Code Green: Business Adopts Voluntary Environmental Standards," <u>Environment</u>, **38** (1), January/February, 1996 (with Jennifer Nash).
- "Industrial Ecology: Two New Books," <u>Total Quality Environmental Management</u>, **4** (4), Summer 1995.
- "Designing Green Goods," The World & I, April 1995.
- "Technology", in The Encyclopedia of the Environment, Little Brown, Boston, MA, 1994.
- "Industrial Ecology: A Technological Approach to Sustainability," editorial, <u>Hazardous Waste and</u> <u>Hazardous Materials</u>, August 1992.
- "Interpreting Nature: Environmental Literacy as Self-knowledge," <u>MIT Environment</u>, No. 2, January 1992.
- "A Need for New Consciousness Concerning the Environment," editorial, <u>Environmental Progress</u>, May 1988.

"Plant Planning vs. Air Pollution," Industry, November 1971.

"Storage of Liquid Propellants in Space," ADL Review, 1961.

D. Conference Papers/Proceedings of Refereed Conferences

- Ehrenfeld, J. R., "To Transform Consumption, Throw Out the Modernist Concept of Human Nature" SCORAI Annual Meeting, University of Maine, Orono, June 15, 2016
- Ehrenfeld, J. R., "Integrating Industrial Sustainability" EPSRC Centre for Industrial Sustainability, Cambridge University, Cambridge England, September 10-11, 2013.
- Ehrenfeld, J. R., "Sustainability: an emergent property of the web of life" Conference on global systems as networks of networks, Villa Finaly, Florence, Italy, May14th-16th, 2012.
- Ehrenfeld, J. R., "EGG Sustainability: Far Beyond Eco-design" Electronics Goes Green 2004+ Conference, Berlin, September, 2004
- Ehrenfeld, J. R., "Industrial ecology: Moving beyond technological innovation to culture change" International Society for Industrial Ecology 5th Biennial Meeting, Lisbon, Portugal June, 24 2003.
- Ehrenfeld, J. R., "Industrial Ecology—Becoming a New Field?" AIChE 2002 Annual Meeting, Indianapolis. November 3-8, 2002,
- Ehrenfeld, J. R., "Designing 'Sustainable' Product/Service Systems," Ecodesign 2001, Tokyo, December 15, 2001.
- Ehrenfeld, J. R., "Mixing the Visible Foot with the Invisible Hand: A Role for Planning in Public Infrastructures," Fourth Annual International Conference on Economics of Infrastructures, Delft, May 28th, 2001.
- Ehrenfeld, J. R. and J. C. Brezet, "Towards a New Theory and Practice of Product/Service Systems," 7th European Roundtable on Cleaner Production, Lund, Sweden, May 2-4, 2001.
- Nash, J. and J. R. Ehrenfeld, "Environmental Management Systems and their Roles in Environmental Policy," Multi-state Working Group Summit Conference on Environmental Management Systems. Washington, DC. November 2-3, 1999.
- Ehrenfeld J. R., P. Ferrão, and I. Reis. "Tools to Support Innovation of Sustainable Product Systems." Proceedings of the 2nd International Conference on Technology Policy and Innovation, Lisbon, August 1998.

- Ehrenfeld, J. R., "Colorless Green Ideas Sleep Furiously: Is the Emergence of 'Sustainable' Practices Meaningful?" 1998 Greening of Industry Network Conference, Rome, November 15-18, 1998.
- Ehrenfeld, J. R., "Industrial Ecology And Interdisciplinarity: A New Challenge For University Teaching And Research Programs." For the 3rd Industrial Ecology Seminar and Workshop, Trondheim, Norway, October 15-16, 1998.
- Ehrenfeld, J. R. and J. Nash, "Building Trust and Legitimacy: An Assessment of Changes Brought About by Responsible Care," MIT Forum on Chemicals and Society, Cambridge, MA, June 11-12, 1998.
- Lenox, M., and J. R. Ehrenfeld, "Organizing for Effective Environmental Design," 1996 Greening of Industry Network Conference, Heidelberg, Germany, November 24-27, 1996.
- Lenox, M., B. Jordan, and J. R. Ehrenfeld, "The Diffusion of Design for the Environment: A Survey of Current Practices," 1996 IEEE International Symposium on Electronics & the Environment, Dallas, TX, May 6-8, 1996.
- Hoffman, A. J. and J. R. Ehrenfeld, "Deconstructing Corporate Environmentalism. Or, What Are We Really Talking about Here?" Fourth Conference of the Greening of Industry Network, Toronto, Canada, November 12-14, 1995.
- Ehrenfeld, J. R., "Industrial Ecology and Product Development," in <u>Product Design and Development</u> <u>for Sustainability</u>, Norwegian Academy of Technological Science, Trondheim, Norway, January 1994.
- Field, F. R., III, and J. R. Ehrenfeld, "Life Cycle Analysis: The Role of Evaluation and Strategy," for the National Academy of Engineering Workshop on Industrial Ecology: Indicators of Environmental Performance on Ecosystem Condition," Woods Hole, MA, June 1994.
- Ehrenfeld, J. R., and A. Hoffman, "The Importance of Culture in the Greening Process," Designing the Sustainable Enterprise Conference, Boston, MA, November 1993.
- Ehrenfeld, J. R., "Developing a Communication-oriented Ontology for Using Computer Modeling in Negotiation," presented at the 1990 International Systems Dynamics Conference, Boston, MA, July 13, 1990.
- Ehrenfeld, J. R., and J. H. Ong, "Control of Volatile Emissions from Hazardous Waste Treatment, Storage, and Disposal Facilities," Air Pollution Control Association Annual Meeting, Detroit, MI, June 1985.
- Bass, J. M, et al., "Potential Mechanisms and Remedies for Clogging of Leachate Drain Systems," in <u>Proceedings of the Ninth Annual EPA Research Symposium</u>, Ft. Mitchell, KY, May 1983.
- Ehrenfeld, J. R., and J. M. Bass, "Remedial Action Resource Document: Building on the EPA TRDs," in <u>Proceedings of the Eighth Annual EPA Research Symposium</u>, Ft. Mitchell, KY, March 8-10, 1982.
- Ehrenfeld, J. R., and T. Parks, "Cost-effectiveness of Control of Emissions from Intermediate-size Boilers," APCA Annual Meeting, Miami Beach, June 1972.
- Bernstein, R. H., J. R. Ehrenfeld, and T. Parks, "Systems Study of Air Pollution from Industrial Boilers," <u>American Power Conference</u>, April 1972.
- Ehrenfeld, J. R., R. D. Siegel, and P. Morgenstern, "Analysis of Air Pollution Control Strategies to Meet Secondary Standards in Metropolitan Boston," AIAA Third Urban Technology Conference, Boston, MA, September 26-28, 1973.
- Ehrenfeld, J. R., et al., "Economic and Engineering Analysis of Strategies for Controlling Emissions from Small and Intermediate Size Stationary Fossil Fuel Combustion Equipment," Second International Clean Air Congress, Washington, DC, December 1970.

E. Research Reports

- Brezet, J. C., A. S. Bijma, J. R. Ehrenfeld, and S. Silvester, "The Design of Eco-efficient Services," Design for Sustainability Program, Delft University of Technology, June 2001.
- Kleijn, R., A. Tukker and J. R. Ehrenfeld, "Contaminated sediments: Long-term and short-term scenarios," Centre of Environmental Science (CML), Leiden University, March 2001.
- Nash, J., J. R. Ehrenfeld, J. MacDonagh-Dumler, and P. Thorens, "ISO 14001 and StarTrack: Assessing Their Potential as Tools in Environmental Protection for EPA," National Academy of Public Administration, 2000.
- Ehrenfeld, J. R., et al., "Barriers to and Enablers for Effective Pollution Prevention Practices in the Air Force," Final Report, Phase I of the Green Aircraft Research Project, August 1996.
- Field, F. R., J. R. Ehrenfeld, et al., "Automobile Recycling Policy: Findings and Recommendations," prepared for and presented to the Automotive Board of Governors, World Economic Forum, Davos, Switzerland, February, 1994.
- Ehrenfeld, J. R., et al., "Dimensions of Managing Chlorine in the Environment: Report of the MIT/Norwegian Chlorine Policy Study," March 1993.
- Ehrenfeld, J. R., et al., "Breaking the Backlog: Improving Superfund Priority Setting," final report to the Coalition on Superfund, February 1992.
- Ehrenfeld, J. R., et al., "Household Hazardous Products, Indoor Air Pollution, and Energy-efficient Homes," final report to the State of New Hampshire, October 1990.
- Ehrenfeld, J. R., et al., "Towards a Plan for Managing Household Hazardous Waste in New Hampshire," final report to the State of New Hampshire, September 1990.
- Ehrenfeld, J. R., et al., "Household Hazardous Products and Wastes in New Hampshire: A Technical Summary in Support of the Development of a Management Plan," final report to the State of New Hampshire, July 1990.
- Ehrenfeld, J. R. and J. Kauffman, "Issues Related to Hazardous Wastes and Hazardous Chemicals: A Background Report for the Establishment of an Institute for the Assessment of Environmentallysound Technologies," prepared for the Swedish Ministry of Foreign Affairs, March 1988.
- Ehrenfeld, J. R., et al., "A Risk-based Methodology for Prioritizing RCRA Facilities Requiring Corrective Action-A Preliminary Analysis," Draft Report, USEPA, January 1986.
- Ehrenfeld, J. R., et al., "Overview of Ocean Incineration," US Office of Technology Assessment, May 1986.
- Bass, J. M., P. Deese, and J. R. Ehrenfeld, "Design, Construction, Inspection, Maintenance, and Repair of Leachate Collection and Cap Drainage Systems," Draft report, USEPA, December 1984.
- Ehrenfeld, J. R., et al., "Evaluation of Available Clean-up Technologies for Uncontrolled Waste Sites," US Office of Technology Assessment, August 1984.
- Ehrenfeld, J. R., and J. H. Ong, "Evaluation of Emission Controls for Hazardous Waste Treatment, Disposal, and Storage Facilities," Final Report, USEPA, August 1984.
- Ehrenfeld, J. R., "Technical and Economic Evaluation of Alternatives for Hazardous Waste Disposal in Minnesota," Minnesota Waste Management Board, February 1984.
- Arthur D. Little, Inc. "Benefits to Industry of Environmental Auditing," USEPA Report No. 230-08-83-005, August 1983.
- Shooter, D., J. H. Ong, A. S. Preston, and J. R. Ehrenfeld, "Treatment of Reactive Wastes at Hazardous Waste Landfills," Final Report, USEPA, July, 1983.

- Bass, J. M., J. R. Ehrenfeld, and J. Valentine, "Potential Clogging of Landfill Drainage Systems," Final report, USEPA, July 1983.
- Ehrenfeld, J. R., and J. M. Bass, "Handbook for Evaluating Remedial Technology Plans," Final report, USEPA, January 1983.
- Arthur D. Little, Inc., "Economic Impact of the RCRA Interim Status Standards," Final report, USEPA, November 1981.
- Arthur D. Little, Inc., "Hazardous Waste Quantities and Facilities Needs in Maryland," Maryland Environmental Services, August 1981.
- Ehrenfeld, J. R., et al., "Draft EIS for the Cumulative Production Consumption Effects of the Crude Oil Price Incentive Rulemakings," FEA Contract No. CR-06-6084-00, June 1977.
- Ehrenfeld, J. R., et al., "Environmental Needs for Coal Conversion and Combustion Technologies," Council on Environmental Quality, December 1976.
- Ehrenfeld, J. R., et al., "Evaluation of Environmental Research and Development Relative to Coalusing Technologies," Council on Environmental Quality, April 1976.
- Norton, J., V. Bennett, and J. R. Ehrenfeld, "Alternatives for Reducing Emissions from Centrally Dispatched Power Pools," Final Report, USEPA, March 1976.
- Ehrenfeld, J. R., "An Analysis of the Composition of the Los Angeles Basin Atmosphere," Final Report, USEPA, 1974.
- Katzman, L. and J. R. Ehrenfeld, "Evaluation of Instrumentation for Monitoring Total Mercury Emissions from Stationary Sources," Final Report, USEPA, October 1973.
- Ehrenfeld, J. R., "The Environment: A Growing Constraint on Technological Forecasting," in <u>A Guide to Practical Technological Forecasting</u>, Bright and Shoeman, editors, Prentice-Hall, New York, 1973.
- Ehrenfeld, J. R., G. Margolis, and R. H. Bernstein, "Systems Study of Conventional Combustion Sources in the Iron and Steel Industry," Final Report, USEPA, April 1973.
- Goldish, J. C., et al., "Systems Study of Conventional Combustion Sources in the Primary Aluminum Industry," Final Report, USEPA, April 1973.
- Driscoll, J. J., et al., "Evaluation of Monitoring Methods and Instrumentation for Hydrocarbons and Carbon Monoxide in Stationary Source Emissions," Final Report, USEPA, November 1972.
- Ehrenfeld, J. R., et al., "An Economic Impact Analysis of Air Pollution Controls in Massachusetts," USEPA, October 1972.
- Ehrenfeld, J. R., et al., "Systematic Study of Air Pollution from Intermediate-Size Fossil Fuel Combustion Equipment," Final Report, USEPA, March 1971.
- Ehrenfeld, J. R., et al., "Inventory and Pollution Emissions from Intermediate-Size Boilers for 1967, 1975, 1980, 1985, and 1990," Phase I, II, and III Reports, NAPCA, July 1970.
- Morgenstern, P., A. W. Doyle, and J. R. Ehrenfeld, "Analysis of Terrain Denial Test Data," Final Report, US Army Edgewood Arsenal, May 1969.
- Ehrenfeld, J. R., et al., "Project CHEOPS, Investigation of Hypervelocity Impact Flash (U)," AEDC Report TR-66-151, 1966.
- Ehrenfeld, J. R., and N. M. Wiederhorn, "Project CHEOPS, An Investigation of Hypervelocity Flash," AEDC Report TDR-64-270, 1964.
- Ehrenfeld, J. R., and P. Strong, "An Analysis of Thermal Protection Storage During Space Missions," ADL Report 63270-04-03, 1961.

F. Internal Memoranda, Progress Reports, and Working Papers

Ehrenfeld, J. R., "Action, Change, Learning, and Design," MIT TBE Working Paper, April 1996.

- Nash, J., and J. R. Ehrenfeld, "Private Codes of Management Practice: Assessing Their Role in Environmental Protection," MIT TBE Working Paper, May 1995.
- Gertler, N., and J. R. Ehrenfeld, "Industrial Symbiosis in Kalundborg: Development and Implications," MIT TBE Working Paper, August 1994.
- Ehrenfeld, J. R., "Design, Strategy, and Human Action," MIT TBE Working Paper, January 1994.
- Ehrenfeld, J. R., "Two Faces of Eve: A Search for Large-scale Systems," For the MIT Large-scale Systems Committee, May 13, 1991.
- Ehrenfeld, J. R. and E. Craig, "Waste Incineration: An Agenda for Action," HSMP Working Paper: WP-15, CTPID, MIT, November 1988.
- Ehrenfeld, J. R., et al., "Waste Incineration: Confronting the Sources of Disagreement," HSMP Working Paper: WP-14, CTPID, MIT, November 1988.
- Cassel, S. and J. R. Ehrenfeld, "Beyond Collections: Managing Household Hazardous Products," HSMP Working Paper: WP-13, CTPID, MIT, October 1988.
- Zielinski, R. and J. R. Ehrenfeld, "Unregulated Hazardous Waste Quantities: The Impact on Capacity Planning," HSMP Working Paper: WP-12, CTPID, MIT, August 1988.
- Ehrenfeld, J. R., et al., "Benefits of Prevention of Significant Deterioration Legislation," Position paper and analysis, USEPA, November 1975, unpublished.

G. Invited Lectures and Papers

- "Sustainability Isn't Working: Try Flourishing Instead" Institute for Management & Innovation University of Toronto Mississauga, October 30, 2017.
- "Sustainability Lives in Another World" RSD6 International Conference, Oslo, October 18, 2017.
- "Sustainability: Reaching Far Beyond Technology" Monterrey Institute of Technology, Monterrey, Mexico, November 6, 2015.
- "A Sustainability Vocabulary Lesson" EPA Regional Planning Network, EPA, Washington, DC, December 9, 2014
- "It's Flourishing, Not Sustainability, that Should Be Our Aim," ISE/CHRMS Seminar Series, Fairleigh-Dickinson University, March 5, 2014.
- "Flourishing: A Frank Conversation about Sustainability," Case Western Reserve University, February 7, 2014.
- "Commencement Address" Marlboro College, August 24, 2013.
- "Sustainability by Design," Presented at Sustainable Futures 2002: The Jim Leslie Learning Forum, Banff, February 14-17, 2002.
- "Industrial Ecology—An Idea Whose Time Has Come?" Presented at the 4th NTVA Seminar and Workshop on Industrial Ecology, Trondheim, Norway, June 14-15, 2001.
- "It's Sustainability, Stupid or Can the Electronics Industry Save the World?" Presented at the IEEE International Symposium on Electronics and the Environment, Danvers, MA, May 11-13, 1999.
- "Will Information Technology Produce Factor 4-10 Reductions in Energy and Material Consumption?" Presented at the European Telematics Conference and Exhibition, Barcelona, February 4-7, 1998.

- "Putting the 'Product' into Production: Improving the Likelihood of Achieving Sustainability," Presented for the Brundtland Commission's Report -- 10 Years Workshop on Sustainable Production and Consumption, Oslo, Norway, October 3-4, 1997.
- "Industrial Ecology & Corporate Culture Change: An Essential Step in Moving Towards Sustainability," Presented in the Connecting Business & the Environment Seminar in Industrial Ecology, Cornell University Johnson Graduate School of Business, Ithaca, NY, April 28, 1997.
- "Integrated Environmental Management: Strategies for the Sustainable Firm," Presented at the Symposium on Adaptive Strategies for Future-Oriented Techno-Industries, Kon-Kuk University, Seoul, Korea, September 12, 1996.
- "Science and public controversy: A rowdy alliance," Remarks for the MIT Chlorine Conference, Cambridge, MA, June 12, 1996.
- "ISO 14000 and Responsible Care: What Kind of Change Agents Are They?" prepared for Chemical Week's ISO 14000: Preparing for Change Conference, Houston, Texas, September 27, 1995.
- "Setting Environmental Goals: The View from Industry —A Review of Practices from the 60's to the Present" (with Jennifer Howard), Commissioned by the National Research Council for the National Forum on Science and Technology Goals, July 1995.
- "Industrial Ecology: A Progress Report," Plenary Address to the AT&T Industrial Ecology Conference, June 5-6, 1995, Princeton, NJ.
- "Science, Scientists and Chlorine: or It's a Wicked World Out There," prepared for The Future Uses of Chlorine: Symposium on the Role of the University, Massachusetts Institute of Technology, Cambridge, Massachusetts, November 14-15, 1994.
- "Industrial Ecology: A Strategic Framework for Product Policy and Other Sustainable Practices," prepared for <u>Green Goods</u>, The Second International Conference on Product Oriented Policy, Stockholm, September 1994.
- "Environmental Excellence," EG&G Environmental Institute, Wellesley, MA, July 1994
- "Excellence in a Changing Environmental World," North American Gas Efficiency EXPO, Syracuse, NY, June 1994.
- "Urban Ecology: A Powerful Framework for Urban Planners and Policy Makers," Second International Seminar on The Environmental Problems of Urban Centers - ECO URBS '93, São Paulo, Brazil, December, 1993.
- "Roles for Life Cycle Concepts in Environmental Management," MIT Conference on Life Cycle Assessment, Cambridge, MA, November 4-5, 1993.
- "Take-back, Product-oriented Policy, and Design," Electronics Industry Association Fall Conference, Chicago, IL, October 19, 1993.
- "Findings of the MIT/Norwegian Chlorine Policy Study," Environment North Sea Conference, Stavanger, Norway, August 26, 1993.
- "Defining the Social Agenda: Developing Consensus Towards Durable Goods Recycling," MIT International Motor Vehicle Program–Auto 21 Meeting, Cape Cod, MA, June 1993 (with J. Nash).
- "Corporate Organizational Design and Management Structure: How can DFE be Implanted Effectively," IEEE International Symposium on Electronics and the Environment, Arlington, VA, May 10, 1993.
- "Sustainability in Business, and Industry," MIT Faculty Seminar on Global Environment and Sustainable Development, April 28, 1993.

- "Life Cycle Analysis: What It Is and What It Can Do for You," The Second Annual Congress on Environmentally-conscious Design and Manufacturing, Dearborn, MI, April 19, 1993.
- "Developing Corporate Strategic Responses to Environmental Trends," Corporate Environmental Excellence Conference, The Conference Board, New York, March 31, 1993.
- "Beyond the Grave: Shaping a Policy for Durable Goods," MIT Conference on Design and Disposal of Durable Products, Cambridge, MA, March 24-5, 1993
- "Findings from the MIT Chlorine Policy Study," MIT International and Comparative Politics of the Environment Working Group, February 23, 1993
- "Implementing Industrial Ecology/Design for the Environment: Roles for the University," National Academy of Engineering Workshop on: Industrial Ecology and Design for Environment, Woods Hole, MA, July 13-27, 1992.
- "The Interface Between Regulations and Pollution Prevention," Technology Innovation and Economics Committee, NACEPT, USEPA, Washington, DC, March 11, 1992.
- "The MIT Program on Technology, Business, and Environment Recent Research Findings," United Technology Corporation Waste Reduction Symposium, Hartford, CT, November 21, 1991.
- "Environmental Markets: New Opportunities for Growth," MIT Symposium on Global Environment and the Construction Industry," Cambridge, MA, October 21, 1991.
- "The Emergence of an Environmental Industry," Fletcher Faculty Environmental Research Seminar, Tufts University, Medford, MA, February 19, 1991.
- "Technology and the Environment: A Map or a Mobius Strip?" prepared for the World Resources Institute Symposium- Towards 2000-Environment, Technology and the New Century, Annapolis, Maryland, June 13-15, 1990.
- "Thoughts on Anticipating the Future–What Research is Needed?" National Academy of Sciences Workshop on Research Needs in Anticipation of Future Environmental Problems, June 15-15, 1989.
- "Lessons from the MIT Incineration Conference," Coalition for Responsible Waste Incineration Seminar on Hazardous Waste Incineration, Washington, DC, May 1989.
- "Siting Hazardous Waste Incinerators," Canadian American Committee /National Planning Association Biennial Meeting, Boston, March 31, 1989.
- "Social Impacts of Incinerating Hazardous Materials: Communicating Risk in a New Domain," Invited paper, Rene Dubos One Earth Only Forum, NY, May 25-6, 1988.
- "Hazardous Substances Management: The MIT Approach," MIT Industrial Liaison Program Symposium on Hazardous Waste Management, Cambridge, MA, May 14, 1987.
- "Future Planning Needs," in <u>Water Quality: The Crisis Facing Our Country's Most Critical Resource</u>, Conference Summary-1985 Annual Conference, Coalition of Northeast Governors, Washington, DC, 1985.
- "Economic Development or Economic Progress," Federal Regional Council Conference on Water Resources and Economic Development, Ashland, MA, October 1980.
- "New England-Wide Issues in the 80's," New England Water Works Association Annual Meeting, Monticello, NY, September 1980.
- "The Findings of the U. S. Water Resources Council's Task Force on Planning Procedures and Plan Utilization," Annual Meeting of the Interstate Conference on Water Problems, Cincinnati, OH, September 1980.

- "Hydropower in New England," Conference on Small Hydropower Projects and the Law, South Royalton, VT, May 1980. Also in Vermont Law School Review.
- "The Role of River Basin Commissions in Comprehensive Water Resource Planning," USA/USSR Symposium on River Basin Water Quality, Planning, and Management, Cambridge, MA, October 1979.

"The Environment: A Growing Constraint on Technological Forecasting," Presented at the Seminar on Technological Forecasting Methods and Applications, Lake Placid, NY, June 1970.

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