JENNIFER A. DUNNE

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CURRENT POSITIONS

- Vice President for Science. Santa Fe Institute. Santa Fe, NM. 2013-present.
- Professor. Santa Fe Institute. Santa Fe, NM. 2010-present.

PRIOR POSITIONS

- Research Professor. Santa Fe Institute. Santa Fe, NM. 2007-2010.
- Co-Director, Co-Founder. Pacific Ecoinformatics & Computational Ecology Lab. Berkeley, CA. 2004-2014.
- Research Associate. Rocky Mountain Biological Lab. Gothic, CO. 2003-2008.
- Visiting Professor. Santa Fe Institute. Santa Fe, NM. 2003-2007.
- Postdoctoral Fellow. Santa Fe Institute. Santa Fe, NM. 2001-2003.
- Postdoctoral Researcher. Romberg Tiburon Center for Environmental Studies, San Francisco State University. Tiburon, CA. 2000-2002.
- Principal Investigator. Rocky Mountain Biological Lab. Gothic, CO. 1996-2000.

EDUCATION

- Ph.D. 2000 University of California, Berkeley (Energy and Resources Group)
- M.A. 1994 San Francisco State University (Dept. Biology; Ecology & Systematic Biology)
- A.B. 1989 Harvard University (Dept. Philosophy; *Cum Laude* General Studies)

HONORS & FELLOWSHIPS

- Fellow of the Ecological Society of America. 2017.
- Immersion Distinguished Scholar. National Socio-Environmental Synthesis Center (SESYNC). 2017.
- Santa Fe Institute Postdoctoral Fellowship. Santa Fe Institute. 2001-2003.
- NSF Postdoctoral Fellowship in Biological Informatics. National Science Foundation. 2000-2002.
- Berkeley Fellowship for Graduate Studies. University of California. 1994-1996, 1999-2000.
- Soroptimist Founder Region Dissertation Writing Fellowship. 1999.
- EPA Science to Achieve Results (STAR) Graduate Fellowship. U.S. Environmental Protection Agency. 1996-1999.

SERVICE

I. Advisory

- Advisory Board. *Centre for the Fourth Industrial Revolution (C4IR) Global Network*. World Economic Forum. 2019-present.
- External Advisory Board. *National Socio-Environmental Synthesis Center* (*SESYNC*). Annapolis, MD. 2018-present.
- Steering Committee. *ASU-SFI Center for Biosocial Complex Systems*. 2014-present.
- Advisory Board. *Nautilus*. Initial member of Board of Advisors for science/culture magazine. 2013-present.
- Program Committee. *Conference on Complex Systems (CCS) 2015*. Organized by Arizona State University in collaboration with the European Complex Systems Society and the Santa Fe Institute. 2015.
- Advisory Panel. *Gordon & Betty Moore Foundation*. Data-Driven Discovery Investigator Competition. Palo Alto, CA. 2014.
- External Advisory Group. *Cedar Creek Ecosystem Science Reserve*. Mid-term LTER (Long-Term Ecological Research site) review for the U.S. National Science Foundation. Cedar Creek, MN. 2009.

II. Editorial

- Recommender. *Peer Community in Ecology*. 2018-present.
- Editor. *Theory in Biosciences*. 2017-present.
- Editorial Board. *The SFI Press*. 2017-present.
- Series Editor. *Oxford Series in Ecology and Evolution*. Oxford University Press. 2009-present.
- Editor. *Journal of Complex Networks*. Oxford University Press. One of ten initial senior-level editors; recruited five associate editors. 2012-2017.
- Academic Editor. *PeerJ*. 2012-2017.
- Editor. *Ecology Letters*. 2009-2015.
- Subject Editor. *Oikos*. 2007-2012.

III. Reviewing

- Journals: *American Journal of Botany*, *Basic and Applied Ecology*, *Conservation Ecology*, *Ecology*, *Ecology Letters*, *Ecological Applications, Ecological Complexity, Ecological Informatics*, *Ecological Modelling*, *Functional Ecology*, *Global Change Biology*, *Journal of Animal Ecology*, *Journal of Theoretical Biology*, *Nature*, *Nature Communications*, *Oikos*, *Oecologia*, *Paleobiology*, *Philosophical Transactions of the Royal Society B*, *PLoS Biology, PLoS Computational Biology*, *PLoS One*, *Proceedings of the National Academy of Sciences USA*, *Proceedings of the Royal Society B*, *Progress in Oceanography*, *Science*, *The American Naturalist*, *Theoretical Ecology*, *Trends in Ecology & Evolution*.
- Various book proposals, chapters, manuscripts, dissertations.
- Grant Proposals for the *U.S. National Science Foundation*. Primarily for the Directorates for Biological Sciences & Geosciences.

GRANTS

2019 Co-PI. *Convergent Paths Toward Universality in Complex Systems.* Submitted to NSF PHY. PI: D. Krakauer. $84,713 (1 yr). [SFI Institutional Grant]

2019 Co-PI. *Mapping the Structure and Dynamics of the Scientific Ecosystem.* Minerva Research Initiative, DoD. PIs: D. Larremore, A. Clauset. $2,565,505. SFI Subaward to M. Galeisc, J.A. Dunne: $172,569 (3 yrs).

2018 Co-Author/Investigator. *The ArchaeoEcology Project: How Human Interactions with Biodiversity Shape Socio-Ecological Dynamics and Sustainability*. The Coalition for Archaeological Synthesis (CfAS). PI: S. Crabtree. $50,000 (2 yrs).

2017 Co-PI. *JSMF Adaptation, Aging and the Arrow of Time*. The James S. McDonnell Foundation. PI: D. Krakauer. $2,500,00 (5 yrs). [SFI Institutional Grant]

2015 PI/Team Leader. *Developing a Comprehensive Theory of Complexity.* The John Templeton Foundation. $2,500,000 (3 yrs). [SFI Institutional Grant]

2014 Senior Scientist. *Information Theory, Complexity and Biological Systems.* Templeton World Charity Foundation TWCF F0079/AB47. PI: D. Wolpert. $588,000 (3 yrs).

2014 Senior Scientist. *Extinction, Recovery and Diversification in Permian to Triassic Terrestrial Ecosystems in South Africa.* Smithsonian Institution Competitive Grant for Science. PI: C.C. Labandeira. $68,276 (1yr).

2013 PI. *Workforce Development in Complex Adaptive Systems.* NSF PHY-1240192. $300,000 (3 years). [SFI Institutional Grant]

2013 Co-PI. *Socio-Ecosystem Dynamics of Natural-Human Networks on Model Islands***.** NSF CNH-1313830. PI: Neo Martinez. $1,300,000 (5 yrs).

2012 Co-PI. *WarmingWebs—The Role of Biodiversity, Species Thermal Tolerance and Food Web Structure in the Response to Climate Change: Temperate Versus Tropical Ecosystems*. Portuguese National Science Foundation PTDC/MAR-EST/2141/2012. PI: C. Vinagre. $105,000 (2 yrs).

2012 PI. *Using Ecological Networks to Understand Environmental Change.* Betsy and Jesse Fink Foundation. $25,000 (2 yrs).

2010 Co-PI. *Strategies: GUTS y GIRLS (Growing Up Thinking Scientifically for Girls).* NSF DRL-1031421. PI: I. Lee. $714,510 (3 yrs).

2010 Co-PI. *Cloud-Enabled Exploration of Complex Ecological Networks* (CiC Supplement to NSF DBI-0850373). NSF DBI-1048302. $149,000 (2 yrs).

2009 Co-PI. *Semantic Web Informatics for Species in Space and Time.* NSF DBI-0850373. $1,499,426 (4 yrs).

2009 PI. *Using Agent-Based Modeling Approaches to Explore Persistence and Stability in Complex Ecological Networks.* A National Academies/Keck Futures Initiative (NAKFI) Grant for Research on Complex Systems. $25,000 (1 yr).

2008 PI. *Ecological Network Research.* Funding from the Oprah Winfrey Foundation in support of the Santa Fe Institute's research and education mission. Salary Offset. $34,625 (1 yr).

2008 PI. *Archipelago Art and Science Project.* Funding from the Oprah Winfrey Foundation in support of the Santa Fe Institute's research and education mission. Equipment Funding. $15,375 (1 yr).

2006 Science Advisor. *Archipelago: Digitally Modeled Ecosystems Inhabited by Artificially Intelligent Organisms.* New Visions/New Mexico Contract Award. PI: D. Stout. $15,000 (1 yr).

2006 Senior Scientist. *Financial Markets as an Empirical Laboratory to Study an Evolving Ecology of Human Decision Making.* NSF HSD-0624351. PI: J.D. Farmer. $749,661 (3 yrs).

2005 Senior Scientist. *Complex Ecosystem Interactions over Multiple Spatial & Temporal Scales: The Biocomplexity of Sanak Island.* NSF Biocomplexity ARC-0508101. PI: H. Maschner. $1,150,000 (3 yrs). Subaward: $110,000.

2003 Senior Scientist. *Science on the Semantic Web: Prototypes in Bioinformatics.* NSF ITR-0326460. PI: T. Finin. $2,350,001 (5 yrs). Subaward: $439,001.

2003 PI. *Paleofoodweb Construction and the Evolution of Ecosystem Structure, II.* SFI Working Group meeting funded by SFI's research programs on "Robustness" and "Network Dynamics" through funding from the Packard Foundation and Intel Research. $8,000 (1 yr.).

2002 Co-PI. *Webs on the Web: Internet Database, Analysis, and Visualization of Ecological Networks.* NSF DBI-0234980. PI: N.D. Martinez. $1,443,830 (4 yrs).

2002 PI. *Paleofoodweb Construction and the Evolution of Ecosystem Structure, I.* SFI Working Group meeting funded by the Thaw Trust for "Work on Innovations." $10,000 (1 yr).

2002 PI. *Webs on the Web: Internet Database, Analysis, and Visualization of Ecological Networks.* SFI Working Group meeting funded by SFI research programs on "Robustness" and "Network Dynamics" with Packard Foundation and Intel Research funding. $11,000 (1 yr.).

2000 PI. *Effects of Biodiversity Loss on Complex Communities: A Web-Based Combinatorial Approach.* NSF Postdoctoral Fellowship DEB/DBI-0074521. $100,000 (2 yrs).

1996 PI. *An Integrated Field Investigation of Interactions between Climate Change and Ecosystem Dynamics.* EPA STAR Graduate Fellowship U915000. $78,670 (3 yrs).

1996 Principal Researcher. *Vegetation Feedbacks to Climate Change: Extending Results from an Ecosystem Warming Experiment to the Landscape Level.* NSF Dissertation Improvement Grant DEB-9623258. Sponsoring PI: J. Harte. $6,000 (1 yr).

TEACHING

- Santa Fe Institute Complex Systems Summer School. Santa Fe, NM. 2006-2014, 2018-present.
- Santa Fe Institute Global Sustainability Summer School. Santa Fe, NM. 2016.
- Santa Fe Institute Complex Systems Summer School Chile. Santiago, Chile. 2013.
- Santa Fe Institute Short Course on Complex Systems: Networks. Austin, TX. 2013
- Santa Fe Institute GUTS y GIRLS Program (Growing Up Thinking Scientifically for Middle School Girls). Santa Fe, NM. 2010-2012.
- Santa Fe Institute GUTS Program (Growing Up Thinking Scientifically for Middle School Students). Santa Fe, NM. 2007-2012.
- Workshop on Theoretical Ecology and Global Change. ICTP, Trieste, Italy. 2009.
- Santa Fe Institute Latin American Complex Systems Summer School. Bariloche, Argentina. 2008.
- A Primer in Ecological Networks: Data and Theory. University of Parma, Parma, Italy. 2008.
- International Workshop on Networks Science. New York Hall of Science, New York, NY. 2007.
- Ecological Networks Workshop. Colorado State University, Fort Collins, CO. 2007.
- SFI Graduate Workshop on Computational Social Science Modeling. Santa Fe, NM. 2003, 2006.

PUBLICATIONS

- Google Scholar Citations = 9031, h-index = 36, i10-index = 51 (11/4/19)
- Google Scholar Profile: http://scholar.google.com/citations?user=P0Co1HMAAAAJ&hl=en
- PDFs at ResearchGate: https://www.researchgate.net/profile/Jennifer_Dunne/

75) Boone, C.G., S.T.A. Pickett, A. Agrawal, K. Bawa, P. Bertsch, C.D. Campbell, P. Dodd, **J.A. Dunne**, I.J. Gordon, D. Hart, J.J. Hellman, A. Janetos, J. Kramer, H. Mallee, A. Miller, M. New, J.P. Ometto, K. Talos, G. Wendorf. In review. Preparing interdisciplinary leadership for a sustainable future. *Sustainability Science.*

74) Gordon, I.J., K. Bawa, G. Bammer, C.G. Boone, C., **J.A. Dunne**, J. Hellman, A. Miller, M. New, J. Ometto, S.T.A. Pickett, G. Wendorf, A. Agrawal, P. Bertsch, C. Campbell, P. Dodd, D. Hart, A. Janetos, J. Kramer, H. Mallee, K. Taylor. 2019. Forging future organizational leaders for sustainability science. *Nature Sustainability* 2:647-649. doi:10.1038/s41893-019-0357-4

73) Baiser, B., D. Gravel, A. Cirtwill, **J.A. Dunne**, A. Fahimipour, L. Gilarranz, J. Grochow, L. Daijiang; N.D. Martinez, A. McGrew, T. Poisot, T. Romanuk, D. Stouffer, L. Trotta, F. Valdovinos, R.J. Williams, S. Wood, J. Yeakel. 2019. Ecogeographical rules and the macroecology of food webs. *Global Ecology and Biogeography* 28:1204-1218. doi:10.1111/geb.12925

72) Vinagre, C., M.J. Costa, S.A. Wood, R.J. Williams, **J.A. Dunne.** 2019. Potential impacts of climate change and humans on the trophic network organization of estuarine food webs. *Marine Ecology Progress Series* 616:13-24. doi:10.3354/meps12932

71) Gravel, D, B. Baiser, **J.A. Dunne**, J.P. Kopelke, N.D. Martinez, T. Nyman, T. Poisot, S.A. Wood, D.B. Stouffer, J. Tylianakis, T. Roslin. 2019. Bringing Elton and Grinnell together: A quantitative framework to represent the biogeography of ecological interaction networks. *Ecography* 42:401-415. doi:10.1111/ecog.04006 [first published 10-01-18; see also *bioRxiv* 055558].

70) Vinagre, C., M.J. Costa, **J.A. Dunne**. 2017. Effect of spatial scale on the network properties of estuarine food webs. *Ecological Complexity* 29:87-92.

69) Ehrlich, P., L. Ross, K. Arrow, M. Feldman, D. Kennedy, R. Cialdini, N. Diamond-Smith, J. Diamond, **J.A. Dunne**, R. Horn, C. Murphy, D. Pirages, K. Smith, R. York. 2016. The climate change challenge and barriers to the exercise of foresight intelligence. *BioScience* 66: 363-370. doi:10.1093/biosci/biw025

68) Davies, N., D. Field, D. Gavaghan, S.J. Holbrook, S. Planes, M. Troyer, M. Bonsall, J. Caludet, G. Roderick, R.J. Schmitt, L.A. Zettler, V. Berteaux, H.D. Bossin, C. Cabaase, A Collin, J. Deck, A. Dell, **J.A. Dunne**, R. Gates, M. Harfoot, J.L. Hench, M. Hopuare, P. Kirch, G. Kotoulas, A. Kosenkov, J.J. Leichter, H. Lenihan, A. Maoulas, N.D. Martinez, C. Meyer, B. Stoll, B. Swalla, D.M. Tartokovsky, H. Teavia Murphy, S. Turyshev, F. Valdovinos, R.J. Williams, S. Wood. 2016. Simulating social-ecological systems: The Island Digital Ecosystem Avatars (IDEA) consortium. *Gigascience* 5:14.

67) Poisot, T.E., B. Baiser, **J.A. Dunne**, S. Kefi, F. Massol, N. Mouquet, T.N. Romanuk, D.B. Stouffer, S.A. Wood, D. Gravel. 2016. mangal-Making ecological network analysis simple. *Ecography* 39:384-390. doi:10.1111/ecog/00976 [see also *bioRxiv* 002634]

66) **Dunne, J.A.,** H. Maschner, M.W. Betts, N. Huntly, R. Russell, R.J. Williams, S.A. Wood. The roles and impacts of human hunter-gatherers in North Pacific marine food webs. 2016. *Scientific Reports* 6:21179. doi:10.1038/srep21179

65) Wood, S.A., R. Russell, D. Hanson, R.J. Williams, **J.A. Dunne.** 2015. Effects of spatial scale of sampling on food web structure. *Ecology and Evolution.* doi:10.1002/ece3.1640

64) Courchamp, F., **J.A. Dunne,** Y. Le Maho, R.M. May, C. Thébaud, M.E. Hochberg. 2015. Back to the fundamentals: a reply to Barot et al. *Trends in Ecology and Evolution* 30:370–371.

63) Jacobs, A.Z., **J.A. Dunne**, C. Moore, A. Clauset. 2015. Untangling the roles of parasites in food webs with generative network models. *arXiv* 1505.04741

62) Yeakel, J.D., **J.A. Dunne**. 2015. Modern lessons from ancient food webs. *American Scientist* 103:188-196. [Cover Story & Feature Article; edited but not peer-reviewed]

61) Marquet, P.A., A.P. Allen, J.H. Brown, **J.A. Dunne**, B.J. Enquist, J.F. Gillooly, P.A. Gowaty, J. Harte, S.P. Hubbell, J.G. Okie, A. Ostling, M. Ritchie, D. Storch, G.B. West. 2015. On the importance of first principles in ecological theory development. *BioScience* biv015. [Response to two letters on Marquet *et al.* 2014 *Bioscience*]

60) Courchamp, F., **J.A. Dunne,** Y. Le Maho, R.M. May, C. Thébaud, M.E. Hochberg. 2015. Fundamental ecology is fundamental. *Trends in Ecology and Evolution* 30:9-16. doi:10.1016/j.tree.2014.11.005

59) Marquet, P.A., A.P. Allen, J.H. Brown, **J.A. Dunne**, B.J. Enquist, J.F. Gillooly, P.A. Gowaty, J.L. Green, D. Storch, J. Harte, S.P. Hubbell, J. O´Dwyer, J.G. Okie, M. Ritchie, A. Ostling, G.B. West. 2014. On theory in ecology. *BioScience* 8:701-710. doi:10.1093/biosci/biu098

58) **Dunne, J.A**., C.C. Labandeira, R.J. Williams. 2014. Highly resolved early Eocene food webs show development of modern trophic structure after the end-Cretaceous extinction. *Proceedings of the Royal Society B* 20133280. doi:10.1098/rspb.2013.3280

57) Labandeira, C.C. **J.A. Dunne.** 2014. Data for: Highly resolved early Eocene food webs show development of modern trophic structure after the end-Cretaceous extinction. *Dryad Digital Repository*. doi:10.5061/dryad.ps0f0

56) **Dunne, J.A.**, K.D. Lafferty, A.P. Dobson, R.F. Hechinger, A.M. Kuris, N.D. Martinez, J.P. McLaughlin, K.N. Mouritsen, R. Poulin, K. Reise, D.B. Stouffer, D.W. Thieltges, R.J. Williams, C.D. Zander. 2013. Parasites affect food web structure primarily through increased diversity and complexity. *PLoS Biology* 11: e1001579. doi:10.1371/journal.pbio.1001579

55) **Dunne, J.A.**, K.D. Lafferty, A.P. Dobson, R.F. Hechinger, A.M. Kuris, N.D. Martinez, J.P. McLaughlin, K.N. Mouritsen, R. Poulin, K. Reise, D.B. Stouffer, D.W. Thieltges, R.J. Williams, C.D. Zander. 2013. Data for: Parasites affect food web structure primarily through increased diversity and complexity. *Dryad Digital Repository*. doi:10.5061/dryad.b8r5c

54) **Dunne, J.A.**, S.J. Jackson, J. Harte. 2013. Greenhouse effect. Pages 18-42 in Encyclopedia of Biodiversity, 2nd Edition, Volume 4, ed. S. Levin. Academic Press, Waltham.

53) Martinez, N.D., P. Tonin, B. Bauer, S. Yoon, I. Yoon, **J.A. Dunne**. 2012. Sustaining economic exploitation of complex ecosystems in computational models of coupled human-natural networks. *Association of Artificial Intelligence, Special Track on Computational Sustainability*.

52) Thompson, R.M., U. Brose, **J.A. Dunne**, R.O. Hall, S. Hladyz, R.L. Kitching, N.D. Martinez, H. Rantala, T. Romanuk, D.B. Stouffer, J. M. Tylianakis. 2012. Food webs: reconciling the structure and function of biodiversity. *Trends in Ecology and Evolution* 27:689-697.

51) Cleland, E.E., J.M. Allen, T.M. Crimmins, **J.A. Dunne**, S. Pau, S.E. Travers, E.M. Wolkovich. 2012. Phenological tracking enables positive species responses to climate change. *Ecology* 93:1765-1771

50) Brose, U., **J.A. Dunne**, J.M. Montoya, O.L. Petchey, U. Jacob, eds. 2012. Climate change in size-structured ecosystems. Theme Issue of the *Philosophical Transactions of the Royal Society B* 367:2903-3057.

49) Brose, U., **J.A. Dunne**, J.M. Montoya, O.L. Petchey, F.D. Schneider, U. Jacob. 2012. Climate change in size-structured ecosystems. *Philosophical Transactions of the Royal Society B* 367:2903-2912.

48) **Dunne, J.A.**, S.A. Wood, R. Russell, N. Huntly, M. Betts, H.D.G. Maschner. 2012. How Sanak Aleut fit into the intertidal food web. Pages 79-90 in Sanak Island, Alaska. A Natural and Cultural History, eds. K.L. Reedy-Maschner, H.D.G. Maschner. Idaho Museum of Natural History, Pocatello.

47) Cohen, A.A., L.B. Martin, J.C. Wingfield, S.R. McWilliams, **J.A. Dunne**. 2012. Physiological regulatory networks: ecological roles and evolutionary constraints. *Trends in Ecology and Evolution* 27:428-435.

46) Thompson, R.M., **J.A. Dunne**, G. Woodward. 2012. Freshwater food webs—towards a more fundamental understanding of biodiversity and community dynamics. *Freshwater Biology* 57:1329-1341.

45) Petchey, O., **J.A. Dunne**. 2012. Predator-prey relations and food webs. Pages 86-98 in Metabolic Ecology: A Scaling Approach, eds. R.M. Sibly, J.H. Brown, A. Kodric-Brown. Wiley-Blackwell.

44) **Dunne, J.A.** 2012. Food webs. Pages 1155-1176 in Computational Complexity: Theory, Techniques, and Applications, ed., R.A. Myers. Springer, New York.

43) Jacob, U., A. Thierry, U. Brose, W.E. Arntz, S. Berg, T. Brey, I. Fetzer, T. Jonnson, K. Mintenbeck, C. Möllmann, O. Petchey, J. Riede, **J.A. Dunne**. 2011. The role of body size in complex food webs: A cold case. *Advances in Ecological Research* 45:181-223.

42) Lotze, H.K., Coll, M., **J.A. Dunne**. 2011. Historical changes in marine resources, food-web structure and ecosystem functioning in the Adriatic Sea, Mediterranean. *Ecosystems* 14:198-222.

41) Valdovinos, F.S., R. Ramos-Jiliberto, L. Garay-Narváez, P. Urbani, **J.A. Dunne**. 2010. Consequences of adaptive behaviour for the structure and dynamics of food webs. *Ecology Letters* 13:1546-1559.

40) Hegland, S.J., **J.A. Dunne**, A Nielsen, J. Memmott. 2010. How to monitor an ecological community cost-efficiently: the example of plant-pollinator networks. *Biological Conservation* 143:2091-2101.

39) Lafferty, K.D., **J.A. Dunne**. 2010. Stochastic ecological network occupancy (SENO) models: a new tool for modeling ecological networks across spatial scales. *Theoretical Ecology* 3:123-135.

38) Belgrano, A., **J.A. Dunne**, J. Bascompte. 2009. Food webs. Pages 596-603 in Encyclopedia of Ocean Sciences 2nd Edition, eds. J.H. Steele, K.K. Turekian, S.A. Thorpe. Academic Press, San Diego.

37) **Dunne, J.A.** 2009. Food webs. Pages 3661-3682 in the "Complex Networks and Graph Theory" section of the Encyclopedia of Complexity and Systems Science, ed. R.A. Meyers. Springer, New York.

36) Maschner, H.D.G., M.W. Betts, J. Cornell, **J.A. Dunne**, B. Finney, N. Huntly, J.W. Jordan, N. Misarti, K.L. Reedy-Maschner, R. Russell, A. Tews, S. Wood, B. Benson. 2009. An introduction to the biocomplexity of Sanak Island, Western Gulf of Alaska. *Pacific Science* 63:673-709.

35) **Dunne, J.A.**, R.J. Williams. 2009. Cascading extinctions and community collapse in model food webs. *Philosophical Transactions of the Royal Society B* 364:1711-1723. doi.org/10.1098/rstb.2008.0219

34) **Dunne, J.A.** 2009. Review of Human Impacts on Ancient Marine Ecosystems: A Global Perspective. 2008. T.C. Rick and J.M. Erlandson, eds. University of California Press, Berkeley. *The Quarterly Review of Biology* 84:190-191.

33) Brose, U., **J.A. Dunne**. 2009. Modeling the dynamics of complex food webs. Pages 37-44 in Community Ecology: Processes, Models, and Applications, eds. H. Verhoef, P. Morin. Oxford University Press, Oxford.

32) Vermaat, J.E., **J.A. Dunne**, A. Gilbert. 2009. Major dimensions in food-web structure properties. *Ecology* 90:278-282. doi:10.1890/07-0978.1

31) Berlow, E.L., **J.A. Dunne**, N.D. Martinez, P.B. Stark, R.J. Williams, U. Brose. 2009. Simple prediction of interaction strengths in complex food webs. *Proceedings of the National Academy of Sciences USA* 106:187-191.

30) **Dunne, J.A.**, R.J. Williams, N.D. Martinez, R.A. Wood, D.H. Erwin. 2008. Compilation and network analyses of Cambrian food webs. *PLoS Biology* 6:693-708. doi:10.1371/journal.pbio.0060102

29) Lafferty, K.D., S. Allesina, M. Arim, C.J. Briggs, G. DeLeo, A. Dobson, **J.A. Dunne**, P.T.J. Johnson, A.M. Kuris, D.J. Marcogliese, N.D. Martinez, J. Memmott, P.A. Marquet, J.P. McLaughlin, E.A.

Mordecai, M. Pascual, R. Poulin, D.W. Thieltges. 2008. Parasites in food webs: the ultimate missing links. *Ecology Letters* 11:533-546.

28) Srinivasan, U., **J.A. Dunne**, J. Harte, N.D. Martinez. 2007. Response of complex food webs to realistic extinction sequences. *Ecology* 88:671-682.

27) Pascual, M., **J.A. Dunne**, eds. 2006. Ecological Networks: Linking Structure to Dynamics in Food Webs. Santa Fe Institute Studies on the Sciences of Complexity. Oxford University Press, New York.

26) Pascual, M, **J.A. Dunne**. 2006. From small to large ecological networks in a dynamic world. Pages 3-24 in Ecological Networks: Linking Structure to Dynamics in Food Webs, eds. M. Pascual, J.A. Dunne. Oxford University Press, New York.

25) **Dunne, J.A.** 2006. The network structure of food webs. Pages 27-86 in Ecological Networks: Linking Structure to Dynamics in Food Webs, eds. M. Pascual, J.A. Dunne. Oxford University Press, New York.

24) Martinez, N.D., R.J. Williams, **J.A. Dunne**. 2006. Diversity, complexity, and persistence in large model ecosystems. Pages 163-185 in Ecological Networks: Linking Structure to Dynamics in Food Webs, eds. M. Pascual, J.A. Dunne. Oxford University Press, New York.

23) Pascual, M, **J.A. Dunne**, S.A. Levin. 2006. Challenges for the future: integrating ecological structure and dynamics. Pages 351-371 in Ecological Networks: Linking Structure to Dynamics in Food Webs, eds. M. Pascual, J.A. Dunne. Oxford University Press, New York.

22) Memmott, J., D. Alonso, E.L. Berlow, A. Dobson, **J.A. Dunne**, R. Solé, J. Wietz. 2006. Biodiversity loss and ecological network structure. Pages 325-347 in Ecological Networks: Linking Structure to Dynamics in Food Webs, eds. M. Pascual, J.A. Dunne. Oxford University Press, New York.

21) Green, J.L., A. Hastings, P. Arzberger, F. Ayala, K.L. Cottingham, K. Cuddington, F. Davis, **J.A. Dunne**, M.-J. Fortin, L. Gerber, M. Neubert. 2005. Complexity in ecology and conservation: mathematical, statistical, and computational challenges. *Bioscience* 55:501-510.

20) Yoon, I., S. Yoon, R.J. Williams, N.D. Martinez, **J.A. Dunne**. 2005. Interactive 3D visualization of highly connected ecological networks on the WWW. *Proceedings of the 20th Annual ACM Symposium on Applied Computing (SAC 2005), Multimedia and Visualization Section* 1207-1217.

19) Belgrano, A., U. Scharler, **J.A. Dunne**, R.E. Ulanowicz, eds. 2005. Aquatic Food Webs: An Ecosystem Approach. Oxford University Press, Oxford.

18) **Dunne, J.A.**, U. Brose, R.J. Williams, N.D. Martinez. 2005. Modeling food-web dynamics: complexity-stability implications. Pages 117-129 in Aquatic Food Webs: An Ecosystem Approach, eds. A. Belgrano, U. Scharler, J.A. Dunne, R.E. Ulanowicz. Oxford University Press, Oxford.

17) Dell A.I., G.D. Kokkoris, C. Banasek-Richter, L.-F. Bersier, **J.A. Dunne**, M. Kondoh, T.N. Romanuk, N.D. Martinez. 2005. How do complex food webs persist in nature? Pages 425-436 in Dynamic Food Webs: Multispecies Assemblages, Ecosystem Development and Environmental Change, eds. P.C. de Ruiter, V. Wolters, J.C. Moore. Academic Press, San Diego.

16) **Dunne, J.A.**, S.R. Saleska, M.L. Fischer, J. Harte. 2004. Integrating experimental and gradient methods in ecological climate change research. *Ecology* 85:904-916.

15) Starzomski, B.M., B.J. Cardinale, **J.A. Dunne**, M.J. Hillery, C.A. Holt, M.A. Krawchuk, M. Lage, S. McMahon, M.C. Melnychuk. 2004. Contemporary visions of progress in ecology and thoughts for the future. *Ecology & Society* 9, Article 14.

14) **Dunne, J.A.**, R.J. Williams, N.D. Martinez. 2004. Network structure and robustness of marine food webs. *Marine Ecology Progress Series* 273:291-302. doi:10.3354/meps273291

13) Yoon, I., R.J. Williams, E. Levine, S. Yoon, **J.A. Dunne**, N.D. Martinez. 2004. Webs on the Web (WOW): 3D visualization of ecological networks on the WWW for collaborative research and education. *Proceedings of the IS&T/SPIE Symposium on Electronic Imaging, Visualization & Data Analysis Section* 124-132.

12) Yoon, S., I. Yoon, R.J. Williams, N.D. Martinez, **J.A. Dunne**. 2004. 3D Visualization and analysis of ecological networks on WWW. *Proceedings of the Seventh IASTED International Conference on Computer Graphics and Imaging* 224-229.

11) **Dunne, J.A.**, J. Harte, K.J. Taylor. 2003. Subalpine meadow flowering phenology responses to climate change: integrating experimental and gradient methods. *Ecological Monographs* 73:69-86.

10) Yoon, I., R.J. Williams, E. Levine, S. Yoon, **J.A. Dunne**, N.D. Martinez. 2003. 3D visualization of ecological networks on the WWW. *Proceedings of the 14th IEEE Visualization Conference.*

9) **Dunne, J.A.**, R.J. Williams, N.D. Martinez. 2002. Network structure and biodiversity loss in food webs: robustness increases with connectance. *Ecology Letters* 5:558-567.

8) Williams, R.J., E.L. Berlow, **J.A. Dunne**, A.-L. Barabási, N.D. Martinez. 2002. Two degrees of separation in complex food webs. *Proceedings of the National Academy of Sciences USA* 99:12913-12916.

7) **Dunne, J.A.**, R.J. Williams, N.D. Martinez. 2002. Food-web structure and network theory: the role of connectance and size. *Proceedings of the National Academy of Sciences USA* 99:12917-12922. doi:10.1073/pnas.192407699

6) Saleska, S.R., M.R. Shaw, M.L. Fischer, **J.A. Dunne**, C.J. Still, M.L. Holman, J. Harte. 2002. Plant community composition mediates both large transient decline and predicted long-term recovery of soil carbon under climate warming. *Global Biogeochemical Cycles* 16:1055.

5) **Dunne, J.A.**, J. Harte. 2001. Greenhouse effect. Pages 277-293 in Encyclopedia of Biodiversity, Volume 3, ed. S. Levin. Academic Press, San Diego.

4) **Dunne, J.A.** 2000. Climate change impacts on community and ecosystem properties: integrating manipulations and gradient studies in montane meadows. Ph.D. Dissertation, University of California, Berkeley.

3) **Dunne, J.A.**, V.T. Parker. 1999. Species-mediated soil moisture availability and patchy establishment of *Pseudotsuga menziesii* in chaparral. *Oecologia* 119:36-45.

2) Martinez, N.D., **J.A. Dunne**. 1998. Time, space, and beyond: scale issues in food web research. Pages 207-226 in Ecological Scale: Theory and Applications, eds. D.L. Peterson, V.T. Parker. Columbia University Press, New York.

1) **Dunne, J.A.** 1994. Seasonal soil moisture patterns and establishment of *Pseudotsuga menziesii* in chaparral. M.A. Thesis, San Francisco State University.

POPULAR SCIENCE

2019 **Dunne, J.A.** (Author, Editor, Interlocutor). "Autonomous Ecosystems." Pages 88-107 in *InterPlanetary Transmissions—Genesis: Proceedings of the Santa Fe Institute's First InterPlanetary Festival* (Compass Book 2; eds. D.C. Krakauer, C.L. McShea; 2019). Santa Fe Institute Press.

2015 **Dunne, J.A.**, M.J. Hamilton. (Authors). "Are Humans Truly Unique? How Do We Know?" CSM Breakthroughs—Big Ideas Driving Progress in Science and Technology. *Christian Science Monitor* (12/22/15). Republished as pages 249-255 in *Worlds Hidden in Plain Sight: The Evolving Idea of Complexity at the Santa Fe Institute 1984-2019* (Compass Book 1; ed. D.C. Krakauer; 2019). Santa Fe Institute Press.

SELECTED TALKS

(out of ~150; complete list available on request)

How Humans Interact with Species Across Space and Time. Symposium Speaker. How Human Interactions with Biodiversity Shape Socio-Ecological Dynamics in Deep Time. AAAS Annual Meeting. Washington D.C. (2019)

A Half-Billion Years of Food Webs: From the Cambrian to the Anthropocene. Keynote Speaker. Closing the Palaeontological—Ecological Gap (CPEG). British Ecological Society Macroecology Special Interest Group Meeting. School of Earth and Environment. University of Leeds, Leeds, UK. (2018)

The Roles, Function and Impacts of Humans in Complex Ecological Networks: Data and Theory. Plenary Speaker. 3rd Symposium on Ecological Networks. Uppsala, Sweden. (2017)

The Deep Time Frontiers of Ecological Network Research. Keynote Speaker. NetSci 2017—International Conference on Network Science. Indianapolis, IN. (2017)

Human Roles, Behavior, and Impacts in Complex Ecological Networks. Colloquium Speaker. Marschak Colloquium. UCLA, Los Angeles, CA. (2016)

Complex Systems Approaches to Socio-Ecological-Environmental (SEE) Research. Advisory Speaker. National Science Foundation Advisory Committee for Environmental Research and Education (AC ERE) Meeting. NSF, Arlington, VA. (2016)

The Web of Life: The Hidden Order of Complex Ecosystems & The Ecological Human (2 lectures). Public Lecturer. Stanislaw Ulam Memorial Lecture Series, Santa Fe Institute. James A. Little Theater, Santa Fe, NM. (2015)

Ecological Networks: A Framework for Studying Sustainability of Coupled Natural-Human Systems. Colloquium Speaker. Howard Baker Jr. Center for Public Policy Energy and Environment Forum. University of Tennessee, Knoxville, TN. (2015)

Gradient-Based Ecological Network Research: Next Generation Data, Analyses & Models. Keynote Speaker. 4th Decadal International Food Web Symposium—Food Webs: Science for Impact. Giessen, Germany. (2013)

Ecological Networks of French Polynesia: A New Way to Study Sustainability During a Millennium of Human Presence. Symposium Speaker. Putting Ecological Theory into Coupled Natural-Human Systems Science. Ecological Society of America Annual Meeting. Baltimore, CA. (2013)

Structural and Dynamical Roles of Human Foragers in North Pacific Marine Food Webs. Colloquium Speaker. Morrison Institute for Population & Resource Studies Winter Colloquium. Stanford University, Palo Alto, CA. (2013)

Energetic Controls on the Organization and Dynamics of Trophic Networks. Keynote Speaker. 4th Gordon Research Conference on The Metabolic Basis of Ecology. Biddeford, ME. (2010)

The Architecture of Ecological Interactions: Patterns and Principles. Plenary Speaker. European Conference on Complex Systems. Hebrew University, Jerusalem, Israel. (2008)

Ecological Network Structure, Robustness, and Uncertainty. Keynote Speaker. NetSci 2007—International Conference on Networks Science. New York Hall of Science, New York, NY. (2007)

Extending Food-Web Theory Through Deep Time: Paleofoodwebs and the Evolution of Ecosystem Structure. Keynote Speaker. 3rd Decadal International Food Web Symposium—Dynamic Food Webs: Multispecies Assemblages, Ecosystem Development and Environmental Change. Giessen, Germany. (2003)

MEETING ORGANIZATION

2019 *Convergent Paths Toward Universality in Complex Systems.* NSF Sponsored Conference by the Santa Fe Institute. Co-organized with D. Krakauer. Arlington, VA. Dec. 4-6, 2019.

2019 *How Human Interactions with Biodiversity Shape Socio-Ecological Dynamics in Deep Time.* AAAS Annual Meeting Symposium. Co-organized with S. Crabtree. Washington, D.C. Feb. 14-17, 2019.

2018 *Tackling Complex Sustainability Issues: Lessons from Inter- and Transdisciplinary Organizations.* SFI Working Group. Co-organized with S.T.A. Pickett, C. Boone, A. Miller, G. Bammer. Santa Fe, NM. Nov. 27-30, 2018.

2018 *Next-Generation Ecological Network Theory and Application.* SFI Working Group. Co-organized with P. Staniczenko, F. Valdovinos. Santa Fe, NM. Nov. 5-7, 2018.

2018 *Human-Centered Ecological Interaction Networks Across Space & Time III.* SFI Working Group. Co-organized with S. Crabtree. Santa Fe, NM. Oct. 15-19, 2018.

2017 *Human-Centered Ecological Interaction Networks Across Space & Time I, II.* SFI Working Group. Co-organized with S. Crabtree, S. Wood. Santa Fe, NM. Feb. 13-15, Nov. 6-8, 2017.

2017 *Revealing the Causes and Consequences of Interaction Complexity Using Gradient-Based Ecological Networks.* Organized Oral Session. Ecological Society of America Annual Meeting. Portland, OR. Co-organized with J. Hines. Aug. 2017.

2016 *Frontiers of Ecological Theory Integration.* Network for Ecological Theory Integration (NETI). SFI Workshop. Co-organized with P. Marquet. Santa Fe, NM. Sept. 19-2, 2016.

2016 *Ecological Data Dramatization for Art and Science.* SFI Working Group. Co-organized with D. Stout. Santa Fe, NM. March 14-17, 2016.

2016 *Comparing Ecological Networks Along Gradients.* SFI Working Group. Co-organized with J. Grochow. Santa Fe, NM. Feb. 29 – March 1, 2016.

2015 *Uncertainty, Sensitivity and Predictability in Ecology: Mathematical Challenges and Ecological Applications.* Mathematical Biosciences Institute Workshop. Co-organized with A. Morozov, A. Hastings. Columbus, OH. Oct. 26-30, 2015.

2015 *Gradient-Based Ecological Network Research II.* SFI Working Group. Santa Fe, NM. March 2-4, 2015.

2014 *Dynamics Of and On Networks.* SFI Workshop. Co-organized with C. Moore. Santa Fe, NM. Dec. 1-5, 2014

2014 *Information Theory, Ecosystems and Schrodinger's Paradox.* SFI Working Group. Co-organized with D. Wolpert, J. O'Dwyer. Santa Fe, NM. Nov. 14-15, 2014.

2014 *NETI: Network for Ecological Theory Integration I.* Chile Millennium Science Initiative & Santa Fe Institute Working Group. Co-organized with P. Marquet. Chile, Oct. 21-28, 2014.

2014 *Origins of Novelty in Biological, Social and Technological Systems: Towards a General Theory of Innovation.* SFI Workshop. Co-organized with J. Lobo, A. Wagner, M. Laubichler. Santa Fe, NM. Oct. 13-17, 2014.

2014 *The Nature of Creativity in the Brain.* SFI Working Group, with the National Endowment for the Arts (NEA). Co-organized with B. O'Brien, S. Iyengar. Santa Fe, NM. July 9-10, 2014.

2013 *SFI Massive Open On-Line Courses (MOOC) Curriculum Development.* SFI Working Group. Co-organized with M. Mitchell, G. Richardson. Santa Fe, NM. July 31.

2013 *Gradient-Based Ecological Network Research: Next Generation Data, Models, and Theory.* SFI Working Group. Santa Fe, NM. March 5-7, 2013.

2012 *Scientists/Artists Research Collaborations (SARC) Meeting.* SFI Working Group. Co-organized with J. Ox, R. Lowenberg. Santa Fe, NM. Sept. 17-18, 2012.

2011 *Evolutionary Processes in Ecological Networks.* Ecological Society of America Oral Session. Co-organized with N.D. Martinez. Austin, TX. Aug. 9, 2011.

2010 *Connecting Individuals to Ecosystems: Multiscale Computational Approaches.* SFI Working Group. Santa Fe, NM; Santa Cruz, CA. June 16-17, 2010; Oct. 26-27, 2010; March 3-4, 2011.

2010 *The Ecophylogeny of Complex Species Interactions.* SFI Working Group. Co-organized with J.L. Green. Santa Fe, NM. April 6-9, 2010.

2009 *Parasites in Food Webs: Network Structure.* National Center for Ecological Analysis and Synthesis Working Group. Co-organized with K. Lafferty. Santa Barbara, CA. April 6-10, 2009.

2005 *Integrating Spatial Macroecology, Ecological Networks, and Metabolic Allometry.* Pacific Ecoinformatics and Computational Ecology Lab Working Group. Co-organized with N.D. Martinez. Berkeley, CA. Dec. 13-14, 2005.

2005 *Emerging Ecoinformatic Tools & Accomplishments for Synthetic Ecological Research Across Scales.* Ecological Society of America Oral Session. Co-organized with N.D. Martinez. Montreal, Canada. Aug. 10, 2005.

2004 *Inaugural Pacific Ecoinformatics and Computational Ecology Lab Meeting.* Co-organized with N.D. Martinez. Berkeley, CA. Nov. 16-17, 2004.

2004 *From Structure to Dynamics in Complex Ecological Networks.* SFI Workshop. Co-organized with M. Pascual. Santa Fe, NM. Feb. 19-21, 2004.

2003 *Paleofoodweb Construction and the Evolution of Ecosystem Structure.* SFI Working Group. Co-organized with D.H. Erwin. Santa Fe, NM. March 21-23, 2002; April 23-25, 2003.

2002 *Webs on the Web: Internet Database, Analysis, and Visualization of Ecological Networks.* SFI Working Group. Co-organized with N.D. Martinez. Santa Fe, NM. April 18-20, 2002.

MULTI-YEAR WORKING GROUP PARTICIPATION

- *Interdisciplinary Research Matters: Pathways to Successful Organizational Models.* Workshops & Working Groups hosted at multiple institutions (e.g., SESYNC, SFI, etc.). Organizer: G. Bammer. 2018-2019.
- *Human-Centered Interaction Networks Through Space and Time.* SFI Working Group. Organizers: J.A. Dunne, S. Crabtree, S. Wood. Santa Fe, NM. 2016-2020.
- *Network for Ecological Theory Integration (NETI).* Millennium Science Initiative (ICM) Collaboration Network. Organizer: P. Marquet. Valparaiso, Chile; Santa Fe, NM; Prague, Czech Republic. 2014-2020.
- *Gradient-Based Ecological Network Research: Next Generation Data, Models, and Theory.* SFI Working Group. Organizer: J.A. Dunne. Santa Fe, NM. 2013-2015.
- *GlobalWeb: The Future of Food Web Research.* Monash U. Research Accelerator Program Workshop. Organizer: R.M. Thompson. Melbourne, Australia; Barcelona, Spain. 2011-2012.
- *Connecting Individuals to Ecosystems with Multiscale Computational Approaches.* SFI Working Group. Organizer: J.A. Dunne. Santa Fe, NM; Santa Cruz, CA. 2010-2011.
- *Parasites and Food Webs.* National Center for Ecological Analysis and Synthesis (NCEAS) Working Group. Organizer: K.D. Lafferty. Santa Barbara, CA. 2007-2009.
- *Towards a Unified Theory of Biodiversity.* NCEAS Working Group. A follow-on to prior meetings at the Santa Fe Institute (2006) and the Valparaiso Complex Systems Institute, Chile (2005). Organizer: A.P. Allen. Santa Barbara, CA. 2007-2009.
- *Paleofoodweb Construction and the Evolution of Ecosystem Structure.* SFI Working Group. Organizers: J.A. Dunne, D.H. Erwin. Santa Fe, NM. 2002-2003.

SELECTED PRESS

2019 "Jennifer Dunne on Reconstructing Ancient Food Webs." 6th Podcast Episode of *Complexity*, by the Santa Fe Institute (11/6/2019) https://santafe.edu/culture/podcast

2019 "Jennifer Dunne on Food Webs & ArchaeoEcology." 5th Podcast Episode of *Complexity*, by the Santa Fe Institute (10/30/2019) https://santafe.edu/culture/podcast

2019 Quoted in "Homo gluttonous" about prey switching by humans. *Aeon* (8/1/2019).

2019 Interview for *This Week in Science* podcast, live at the Santa Fe Institute InterPlanetary Festival. *TWIS.org* (6/15/2019) [42:45 to 1:23:05 at www.youtube.com/watch?v=SEvQZWIJEl0&t=5007s]

2019 "*Sieć Na Ludzi*." Article in major Polish weekly news magazine on Dunne's research. *Polityka* (4/24/2019).

2019 "With Food Webs, Jennifer Dunne Puts Humans Back Into Ecology." *Quanta* (3/21/19).

2019 "ArchaeoEcology: New Interdisciplinary Project Shows How Human Communities Shape Biodiversity." *National Association of Science Writers* (3/1/19).

2019 "New Research Reveals Humanity's Roles in Ecosystems." *Phys.org* (2/18/2019).

2017 "Influential Women in Ecological Network Research." Featured in official blog of *Methods in Ecology and Evolution* (methodsblog.wordpress.com, 3/6/17).

2016 "The Part We Play In—Not Just On—Our Environment." *Pacific Standard* (Quick Studies, Nature and Technology, 2/26/16).

2016 "This is How Hunter-Gatherers Preserve Their Food Sources." *Tech Times* (2/19/16).

2016 "Hunter-Gatherer Behavior Stabilizes Local Ecosystems." *New Historian* (2/22/16).

2016 "Alaska's Ancient Hunter-Gatherer Ecology Studied." *Archaeology* (Online News, 2/22/16).

2014 "Ancient Food Web Shows Modern Structure." *Earth* (Magazine of the American Geosciences Institute; July/August Issue).

2013 "Parasitic Complexity." Figure from Dunne *et al.* 2013 *PLoS Biology* selected as one of "The Best Scientific Visualizations of 2013" by *Wired* magazine.

2013 "A Study of Food Webs—How Do Parasites Affect Complex Feeding Interactions?" *Decoded Science* (www.decodedscience.com).

2013 "Food Web, Meet Parasite." *Science* (ScienceShot in ScienceNow).

2013 "Parasites in Food Webs: Untangling the Entangled Bank." *PLoS Biology* Synopsis (Jonathan Chase).

2013 "Parasites affect food web structure primarily through increased diversity and complexity." *PLoS Biology* Weekly Editors' Pick.

2012 Research on humans in food webs described on pages 84-89 of *The Fate of The Species: Why the Human Race May Cause Its Own Extinction and How We Can Stop It* (Fred Guterl).

2012 Research on humans in food webs described on page 288 of *Antifragile: Things That Gain from Disorder* (Nasim Nicholas Taleb).

2012 Interview on *Santa Fe Radio Café. KSFR* (Santa Fe Public Radio).

2012 "An EPA STAR Fellow's Nonlinear Career." Fellow Success Story, *US EPA Fellowships Homepage.*

2012 "Ancient Aleut Stabilized Pacific Marine Ecosystem, Study Finds." *Alaska Dispatch.*

2012 "Eat or Be Eaten." *Science* (News of the Week—1 of 4 AAAS Talks Featured)

2012 "No Omnivore's Dilemma for Alaskan Hunter-Gatherers." *Science Now* (Up to Minute News).

2012 " The Dwindling Web: How Human Exploitation has Reshaped a Marine Ecosystem." *Scientific American* (Graphic Science).

2011 Interview on *The Journey Home Radio Show*. *KSFR* (Santa Fe Public Radio).

2011 "How 'Homo-Economicus' Destabilizes our Food Web." *SmartPlanet* (Pure Genius).

2009 "The Architecture of Ecological Interactions." *A Science of Thirty—Who's Who in Complexity* (GIACS: General Integration of Applications of Complexity in Science).

2008 "Pesquisa Revela Ecologia Cambriana." *Folha de S. Paulo* (Ciência).

2008 "Nahrungsnetze Funktionieren Schon Seit 500 Millionen Jahren." *German Public Radio.*

2008 "The Cambrian Smorgasbord." *Nature* (News Feature).

2008 "Fossils Help Figure out Food Webs Old and New." *Science* (News of the Week).

2006 Full page figure from Dunne et al. 2002 *Ecology Letters* appears on page 594 in major ecology textbook: *Ecology: From Individuals to Ecosystems*, 4th Edition (Begon, Townsend, Harper).

2006 "Restoring Nature's Backbone." *PLoS Biology*.

2003 "Virtual Ecosystems." *Conservation in Practice* (Cover Article).

2002 "Untangled Food Webs." *California Wild Magazine* (California Academy of Sciences).

2002 "Life's Not So Complicated Web." *BBC Science News*.