Stanford

Gretchen C. Daily

Bing Professor of Environmental Science and Senior Fellow at the Woods Institute for the Environment and, by courtesy, at the Freeman Spogli Institute for International Studies

Biology

CONTACT INFORMATION

- **Alternate Contact**

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Bio

ACADEMIC APPOINTMENTS

- Professor, Biology
- Senior Fellow, Stanford Woods Institute for the Environment
- Senior Fellow (By courtesy), Freeman Spogli Institute for International Studies

ADMINISTRATIVE APPOINTMENTS

- Director, Natural Capital Alliance (formerly the Natural Capital Project), (2005- present)
- Director, Center for Nature & Society (formerly Center for Conservation Biology), (2010- present)

HONORS AND AWARDS

- Fellow, American Philosophical Society, USA (2008)
- Fellow, US National Academy of Sciences (2005)
- Fellow, American Academy of Arts and Sciences, USA (2003)

BOARDS, ADVISORY COMMITTEES, PROFESSIONAL ORGANIZATIONS

- Faculty Fellow, Stanford Center for Innovation in Global Health (CIGH) (2021 - present)
- Faculty Affiliate, Stanford Center on China's Economy and Institutions (SCCEI) (2021 - present)

PROGRAM AFFILIATIONS

- Center for Latin American Studies

Research & Scholarship

CURRENT RESEARCH AND SCHOLARLY INTERESTS

Land use, biodiversity dynamics, ecosystem services

Teaching

COURSES

2026-27

- Biology PhD Lab Rotation: BIO 299 (Aut, Win, Spr)
- The Science & Practice of Valuing Nature for a Better World: BIO 179, BIO 279, EARTHSYS 179, EARTHSYS 279 (Aut)

2025-26

- The Science & Practice of Valuing Nature for a Better World: BIO 179, BIO 279, EARTHSYS 179, EARTHSYS 279 (Aut)

2024-25

- The Science & Practice of Valuing Nature for a Better World: BIO 179, BIO 279, EARTHSYS 179, EARTHSYS 279 (Aut)

2023-24

- The Science & Practice of Valuing Nature for a Better World: BIO 179, BIO 279, EARTHSYS 179, EARTHSYS 279 (Aut)

STANFORD ADVISEES

Doctoral Dissertation Reader (AC)

TJ Francisco, Luísa Genes, Chinmay Sonawane

Postdoctoral Faculty Sponsor

Jaime Moreno Miranda, Anders Rydstrom, Juliana Velez Gomez

Doctoral Dissertation Advisor (AC)

Dallas Levey, Oliver Nguyen

Doctoral Dissertation Co-Advisor (AC)

Devan Addison-Turner, Hilary Brumberg, Lily Colburn, Siddharth Sachdeva, Katie Wu

GRADUATE AND FELLOWSHIP PROGRAM AFFILIATIONS

- Biology (School of Humanities and Sciences) (PhD Program)

Publications

PUBLICATIONS

- **Opportunities to foreground human embeddedness in the Anthropocene biosphere** *CELL REPORTS SUSTAINABILITY*
  Kaandorp, C., Wang-Erlandsson, L., Hattle, A., Folke, C., Gelves-Gomez, F., Rocha, J., Davies, O., Daily, G., Donges, J. F., Flores-Santana, C., Galbraith, E., Goldin, S., Jobba, et al
  2026; 3 (7)

- **Landscape efficiency frontiers for biodiversity, climate mitigation, and net economic value.** *Science (New York, N.Y.)*
  Polasky, S., Hawthorne, P. L., Chaplin-Kramer, R., Smith, J., Gerber, J. S., Mamun, S., Ruckelshaus, M., Russ, J., Schmitt, R., Vogl, A. L., Castonguay, A. C., Douglass, J., Kowal, et al
  2026; 392 (6802): 1069-1074

- **High-quality surrounding landscapes mitigate avian extirpations from forest remnants.** *Proceedings of the National Academy of Sciences of the United States of America*
  Bueno, A. S., Mendenhall, C. D., Anciães, M., Dos Anjos, L., Arroyo-Rodríguez, V., Aurélio-Silva, M., Banks-Leite, C., Betts, M. G., Bispo, A. A., Boesing, A. L., Campos-Cerqueira, M., Claessens, O., Cresswell, et al
  2026; 123 (14): e2521783123

- **Urban community gardens foster positive human-avian interactions across an income gradient in San Francisco** *LANDSCAPE AND URBAN PLANNING*

Langhans, K. E., Echeverri, A., Xu, M., Callahan, M., Li Palmeri, M., Nguyen, O., Ardoin, N. M., Daily, G. C.
2025; 261

- **Male-Like Plumage in an Urban Nesting Veraguan Mango: Evidence of a Female-Limited Polymorphism?** *Ecology and evolution*
  Levey, D. R., Daily, G. C.
  2025; 15 (9): e72071

- **Acute mental health benefits of urban nature** *NATURE CITIES*
  Li, Y., Mao, Y., Mandle, L., Rydstrom, A., Remme, R. P., Lan, X., Wu, T., Song, C., Lu, Y., Nadeau, K. C., Meyer-Lindenberg, A., Daily, G. C., Guerry, et al
  2025; 2 (8)

- **Contrasting patterns of land use by resident and migratory bird assemblages in a tropical working landscape** *OIKOS*
  Levey, D. R., Patten, M. A., Enriquez, P. L., Sigueenza, A., Sonawane, C., Dirzo, R., MacGregor-Fors, I., Daily, G. C.
  2025

- **Coastal business perception of coral value and payment for coral restoration.** *Scientific reports*
  Carlson, R. R., Klitzke, J., Daily, G. C., Crowder, L. B., Reguero, B. G., Asner, G. P.
  2025; 15 (1): 9285

- **How to make land use policy decisions: Integrating science and economics to deliver connected climate, biodiversity, and food objectives.** *Proceedings of the National Academy of Sciences of the United States of America*
  Bateman, I. J., Binner, A., Addicott, E. T., Balmford, B., Cho, F. H., Daily, G. C., De-Gol, A., Eisenbarth, S., Faccioli, M., Ferguson-Gow, H., Ferrini, S., Fezzi, C., Gannon, et al
  2024; 121 (49): e2407961121

- **Bringing nature into decision-making.** *Philosophical transactions of the Royal Society of London. Series B, Biological sciences*
  Malhi, Y., Daily, G. C.
  2024; 379 (1903): 20220313

- **Nature and human well-being: The olfactory pathway.** *Science advances*
  Bratman, G. N., Bembibre, C., Daily, G. C., Doty, R. L., Hummel, T., Jacobs, L. F., Kahn, P. H., Lashus, C., Majid, A., Miller, J. D., Oleszkiewicz, A., Olvera-Alvarez, H., Parma, et al
  2024; 10 (20): eadn3028

- **Gross ecosystem product (GEP): Quantifying nature for environmental and economic policy innovation.** *Ambio*
  Zheng, H., Wu, T., Ouyang, Z., Polasky, S., Ruckelshaus, M., Wang, L., Xiao, Y., Gao, X., Li, C., Daily, G. C.
  2023

- **Natural capital investments in China undermined by reclamation for cropland.** *Nature ecology & evolution*
  Kong, L., Wu, T., Xiao, Y., Xu, W., Zhang, X., Daily, G. C., Ouyang, Z.
  2023

- **Diversified farms bolster forest-bird populations despite ongoing declines in tropical forests.** *Proceedings of the National Academy of Sciences of the United States of America*
  Hendershot, J. N., Echeverri, A., Frishkoff, L. O., Zook, J. R., Fukami, T., Daily, G. C.
  2023; 120 (37): e2303937120

- **Centring justice in conceptualizing and improving access to urban nature** *PEOPLE AND NATURE*
  Langhans, K. E., Echeverri, A., Daws, S., Moss, S. N., Anderson, C. B., Chaplin-Kramer, R., Hendershot, J., Liu, L., Mandle, L., Nguyen, O., Ou, S. X., Remme, R. P., Schmitt, et al
  2023

- **Using stable isotopes to measure the dietary responses of Costa Rican forest birds to agricultural countryside** *FRONTIERS IN ECOLOGY AND EVOLUTION*
  Sekercioglu, c. H., Fullwood, M. J., Cerling, T. E., Brenes, F., Daily, G. C., Ehrlich, P. R., Chamberlain, P., Newsome, S. D.
  2023; 11

- **Colombian biodiversity is governed by a rich and diverse policy mix.** *Nature ecology & evolution*
  Echeverri, A., Furumo, P. R., Moss, S., Figot Kuthy, A. G., Garcia Aguirre, D., Mandle, L., Valencia, I. D., Ruckelshaus, M., Daily, G. C., Lambin, E. F.
  2023

- **Global expansion of sustainable irrigation limited by water storage.** *Proceedings of the National Academy of Sciences of the United States of America*
  Schmitt, R. J., Rosa, L., Daily, G. C.
  2022; 119 (47): e2214291119

- **Modeling multiple ecosystem services and beneficiaries of riparian reforestation in Costa Rica** *ECOSYSTEM SERVICES*
  Langhans, K. E., Schmitt, R. J. P., Chaplin-Kramer, R., Anderson, C. B., Vargas Bolanos, C., Vargas Cabezas, F., Dirzo, R., Goldstein, J. A., Horangic, T., Miller Granados, C., Powell, T. M., Smith, J. R., Alvarado Quesada, et al
  2022; 57

- **25 years of valuing ecosystems in decision-making** *NATURE*
  Daily, G. C., Ruckelshaus, M.
  2022

- **Conservation of birds in fragmented landscapes requires protected areas** *FRONTIERS IN ECOLOGY AND THE ENVIRONMENT*
  Timmers, R., van Kuijk, M., Verweij, P. A., Ghazoul, J., Hautier, Y., Laurance, W. F., Arriaga-Weiss, S. L., Askins, R. A., Battisti, C., Berg, A., Daily, G. C., Estades, C. F., Frank, et al
  2022

- **Deep Learning Segmentation of Satellite Imagery Identifies Aquatic Vegetation Associated with Snail Intermediate Hosts of Schistosomiasis in Senegal, Africa** *REMOTE SENSING*
  Liu, Z., Chamberlin, A. J., Tallam, K., Jones, I. J., Lamore, L. L., Bauer, J., Bresciani, M., Wolfe, C. M., Casagrandi, R., Mari, L., Gatto, M., Diongue, A., Toure, et al
  2022; 14 (6)

- **Biodiversity and infrastructure interact to drive tourism to and within Costa Rica.** *Proceedings of the National Academy of Sciences of the United States of America*
  Echeverri, A., Smith, J. R., MacArthur-Waltz, D., Lauck, K. S., Anderson, C. B., Monge Vargas, R., Alvarado Quesada, I., Wood, S. A., Chaplin-Kramer, R., Daily, G. C.
  2022; 119 (11): e2107662119

- **CropPol: a dynamic, open and global database on crop pollination.** *Ecology*
  Allen-Perkins, A., Magrach, A., Dainese, M., Garibaldi, L. A., Kleijn, D., Rader, R., Reilly, J. R., Winfree, R., Lundin, O., McGrady, C. M., Brittain, C., Biddinger, D. J., Artz, et al
  1800

- **Natural capital approaches: shifting the UN Decade on Ecosystem Restoration from aspiration to reality** *RESTORATION ECOLOGY*
  Farrell, C. A., Aronson, J., Daily, G. C., Hein, L., Obst, C., Woodworth, P., Stout, J. C.
  2021

- **The Next Steps for Valuing Nature in Decision Making** *ENVIRONMENT*
  Daily, G. C.
  2021; 63 (6): 17-20

- **Spatial assessment of flow and benefit of tropical cyclone hazard mitigation service** *PROGRESS IN PHYSICAL GEOGRAPHY-EARTH AND ENVIRONMENT*
  Zhao, M., Peng, J., Zheng, H., Daily, G. C., Liu, Y., Wu, J., Wang, Y.
  2021

- **Maintaining the Many Societal Benefits of Rangelands: The Case of Hawai'i** *LAND*
  Bremer, L. L., Nathan, N., Trauernicht, C., Pascua, P., Krueger, N., Jokiel, J., Barton, J., Daily, G. C.
  2021; 10 (7)

- **Blending Ecosystem Service and Resilience Perspectives in Planning of Natural Infrastructure: Lessons from the San Francisco Bay Area** *FRONTIERS IN ENVIRONMENTAL SCIENCE*
  Hamel, P., Hamann, M., Kuiper, J. J., Andersson, E., Arkema, K. K., Silver, J. M., Daily, G. C., Guerry, A. D.
  2021; 9

- **An ecosystem service perspective on urban nature, physical activity, and health.** *Proceedings of the National Academy of Sciences of the United States of America*

Remme, R. P., Frumkin, H., Guerry, A. D., King, A. C., Mandle, L., Sarabu, C., Bratman, G. N., Giles-Corti, B., Hamel, P., Han, B., Hicks, J. L., James, P., Lawler, et al
2021; 118 (22)

- **Our future in the Anthropocene biosphere.** *Ambio*
  Folke, C., Polasky, S., Rockstrom, J., Galaz, V., Westley, F., Lamont, M., Scheffer, M., Osterblom, H., Carpenter, S. R., Chapin, F. S., Seto, K. C., Weber, E. U., Crona, et al
  2021
- **Affective Benefits of Nature Contact: The Role of Rumination** *FRONTIERS IN PSYCHOLOGY*
  Bratman, G. N., Young, G., Mehta, A., Lee Babineaux, I., Daily, G. C., Gross, J. J.
  2021; 12
- **Affective Benefits of Nature Contact: The Role of Rumination.** *Frontiers in psychology*
  Bratman, G. N., Young, G., Mehta, A., Lee Babineaux, I., Daily, G. C., Gross, J. J.
  2021; 12: 643866
- **Time and space catch up with restoration programs that ignore ecosystem service trade-offs.** *Science advances*
  Li, R., Zheng, H., O'Connor, P., Xu, H., Li, Y., Lu, F., Robinson, B. E., Ouyang, Z., Hai, Y., Daily, G. C.
  2021; 7 (14)
- **Eco-environmental impacts of dams in the Yangtze River Basin, China.** *The Science of the total environment*
  Li, B. n., Chen, N. n., Wang, W. n., Wang, C. n., Schmitt, R. J., Lin, A. n., Daily, G. C.
  2021; 774: 145743
- **An Introduction to the Economics of Natural Capital** *REVIEW OF ENVIRONMENTAL ECONOMICS AND POLICY*
  Polasky, S., Daily, G.
  2021; 15 (1): 87-94
- **WTO must ban harmful fisheries subsidies.** *Science (New York, N.Y.)*
  Sumaila, U. R., Skerritt, D. J., Schuhbauer, A., Villasante, S., Cisneros-Montemayor, A. M., Sinan, H., Burnside, D., Abdallah, P. R., Abe, K., Addo, K. A., Adelsheim, J., Adewumi, I. J., Adeyemo, et al
  2021; 374 (6567): 544
- **Corridors of Clarity: Four Principles to Overcome Uncertainty Paralysis in the Anthropocene.** *Bioscience*
  Polasky, S., Crepin, A., Biggs, R. O., Carpenter, S. R., Folke, C., Peterson, G., Scheffer, M., Barrett, S., Daily, G., Ehrlich, P., Howarth, R. B., Hughes, T., Levin, et al
  2020; 70 (12): 1139–44
- **Does China's major Payment for Ecosystem Services program meet the "gold criteria"? Targeting strategies of different decision-makers** *JOURNAL OF CLEANER PRODUCTION*
  Ren, L., Li, J., Li, S., Li, C., Daily, G. C.
  2020; 275
- **Urbanization, Migration, and Adaptation to Climate Change** *ONE EARTH*
  Adger, W., Crepin, A., Folke, C., Ospina, D., Chapin, F., Segerson, K., Seto, K. C., Anderies, J. M., Barrett, S., Bennett, E. M., Daily, G., Elmqvist, T., Fischer, et al
  2020; 3 (4): 396-399
- **Increasing decision relevance of ecosystem service science** *NATURE SUSTAINABILITY*
  Mandle, L., Shields-Estrada, A., Chaplin-Kramer, R., Mitchell, M. G. E., Bremer, L. L., Gourevitch, J. D., Hawthorne, P., Johnson, J. A., Robinson, B. E., Smith, J. R., Sonter, L. J., Verutes, G. M., Vogl, et al
  2020
- **Using gross ecosystem product (GEP) to value nature in decision making.** *Proceedings of the National Academy of Sciences of the United States of America*
  Ouyang, Z., Song, C., Zheng, H., Polasky, S., Xiao, Y., Bateman, I. J., Liu, J., Ruckelshaus, M., Shi, F., Xiao, Y., Xu, W., Zou, Z., Daily, et al
  2020
- **Donald Kennedy (1931-2020).** *Science (New York, N.Y.)*
  Daily, G. C., Ehrlich, P. R.

2020; 368 (6495): 1062

- **The biogeography of ecoregions: Descriptive power across regions and taxa** *JOURNAL OF BIOGEOGRAPHY*
  Smith, J. R., Hendershot, J., Nova, N., Daily, G. C.
  2020

- **Social dimensions of fertility behavior and consumption patterns in the Anthropocene.** *Proceedings of the National Academy of Sciences of the United States of America*
  Barrett, S., Dasgupta, A., Dasgupta, P., Adger, W. N., Anderies, J., van den Bergh, J., Bledsoe, C., Bongaarts, J., Carpenter, S., Chapin, F. S., Crepin, A., Daily, G., Ehrlich, et al
  2020

- **Intensive farming drives long-term shifts in avian community composition.** *Nature*
  Hendershot, J. N., Smith, J. R., Anderson, C. B., Letten, A. D., Frishkoff, L. O., Zook, J. R., Fukami, T., Daily, G. C.
  2020; 579 (7799): 393–96

- **Publisher Correction: Intensive farming drives long-term shifts in avian community composition.** *Nature*
  Hendershot, J. N., Smith, J. R., Anderson, C. B., Letten, A. D., Frishkoff, L. O., Zook, J. R., Fukami, T. n., Daily, G. C.
  2020; 581 (7808): E6

- **Land-use change has host-specific influences on avian gut microbiomes.** *The ISME journal*
  San Juan, P. A., Hendershot, J. N., Daily, G. C., Fukami, T.
  2019

- **Conservation in human-dominated landscapes: Lessons from the distribution of the Central American squirrel monkey** *BIOLOGICAL CONSERVATION*
  Ceballos, G., Ehrlich, P. R., Pacheco, J., Valverde-Zuniga, N., Daily, G. C.
  2019; 237: 41–49

- **Four priorities for new links between conservation science and accounting research** *CONSERVATION BIOLOGY*
  Feger, C., Mermet, L., Vira, B., Addison, P. F. E., Barker, R., Birkin, F., Burns, J., Cooper, S., Couvet, D., Cuckston, T., Daily, G. C., Dey, C., Gallagher, et al
  2019; 33 (4): 972–75

- **Nature and mental health: An ecosystem service perspective.** *Science advances*
  Bratman, G. N., Anderson, C. B., Berman, M. G., Cochran, B., de Vries, S., Flanders, J., Folke, C., Frumkin, H., Gross, J. J., Hartig, T., Kahn, P. H., Kuo, M., Lawler, et al
  2019; 5 (7): eaax0903

- **Long-term declines in bird populations in tropical agricultural countryside** *PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA*
  Sekercioglu, C. H., Mendenhall, C. D., Oviedo-Brenes, F., Horns, J. J., Ehrlich, P. R., Daily, G. C.
  2019; 116 (20): 9903–12

- **Realizing the values of natural capital for inclusive, sustainable development: Informing China's new ecological development strategy** *PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA*
  Zheng, H., Wang, L., Peng, W., Zhang, C., Li, C., Robinson, B. E., Wu, X., Kong, L., Li, R., Xiao, Y., Xu, W., Ouyang, Z., Daily, et al
  2019; 116 (17): 8623–28

- **Realizing the values of natural capital for inclusive, sustainable development: Informing China's new ecological development strategy.** *Proceedings of the National Academy of Sciences of the United States of America*
  Zheng, H., Wang, L., Peng, W., Zhang, C., Li, C., Robinson, B. E., Wu, X., Kong, L., Li, R., Xiao, Y., Xu, W., Ouyang, Z., Daily, et al
  2019

- **A global test of ecoregions (vol 2, pg 1889, 2018)** *NATURE ECOLOGY & EVOLUTION*
  Smith, J. R., Letten, A. D., Ke, P., Anderson, C. B., Hendershot, J., Dhami, M. K., Dlott, G. A., Grainger, T. N., Howard, M. E., Morrison, B. M. L., Routh, D., San Juan, P. A., Mooney, et al
  2019; 3 (4): 708

- **Role of economics in analyzing the environment and sustainable development.** *Proceedings of the National Academy of Sciences of the United States of America*
  Polasky, S., Kling, C. L., Levin, S. A., Carpenter, S. R., Daily, G. C., Ehrlich, P. R., Heal, G. M., Lubchenco, J.

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- **Author Correction: A global test of ecoregions.** *Nature ecology & evolution*
  Smith, J. R., Letten, A. D., Ke, P., Anderson, C. B., Hendershot, J. N., Dhami, M. K., Dlott, G. A., Grainger, T. N., Howard, M. E., Morrison, B. M., Routh, D., Juan, P. A., Mooney, et al
  2019

- **Global modeling of nature's contributions to people.** *Science (New York, N.Y.)*
  Chaplin-Kramer, R. n., Sharp, R. P., Weil, C. n., Bennett, E. M., Pascual, U. n., Arkema, K. K., Brauman, K. A., Bryant, B. P., Guerry, A. D., Haddad, N. M., Hamann, M. n., Hamel, P. n., Johnson, et al
  2019; 366 (6462): 255–58

- **Long-term declines in bird populations in tropical agricultural countryside.** *Proceedings of the National Academy of Sciences of the United States of America*
  Şekercioğlu, Ç. H., Mendenhall, C. D., Oviedo-Brenes, F. n., Horns, J. J., Ehrlich, P. R., Daily, G. C.
  2019

- **Four priorities for new links between conservation science and accounting research.** *Conservation biology : the journal of the Society for Conservation Biology*
  Feger, C., Mermet, L., Vira, B., Addison, P. F., Barker, R., Birkin, F., Burns, J., Cooper, S., Couvet, D., Cuckston, T., Daily, G. C., Dey, C., Gallagher, et al
  2018

- **A global test of ecoregions.** *Nature ecology & evolution*
  Smith, J. R., Letten, A. D., Ke, P., Anderson, C. B., Hendershot, J. N., Dhami, M. K., Dlott, G. A., Grainger, T. N., Howard, M. E., Morrison, B. M., Routh, D., San Juan, P. A., Mooney, et al
  2018

- **Predicting effects of large-scale reforestation on native and exotic birds** *DIVERSITY AND DISTRIBUTIONS*
  Pejchar, L., Gallo, T., Hooten, M. B., Daily, G. C.
  2018; 24 (6): 811–19

- **Does Poverty Matter in Payment for Ecosystem Services Program? Participation in the New Stage Sloping Land Conversion Program** *SUSTAINABILITY*
  Ren, L., Li, J., Li, C., Li, S., Daily, G. C.
  2018; 10 (6)

- **The impact on rural livelihoods and ecosystem services of a major relocation and settlement program: A case in Shaanxi, China** *AMBIO*
  Li, C., Li, S., Feldman, M. W., Li, J., Zheng, H., Daily, G. C.
  2018; 47 (2): 245–59

- **Response to Kabisch and Colleagues** *BIOSCIENCE*
  Rieb, J. T., Chaplin-Kramer, R., Daily, G. C., Armsworth, P. R., Boehning-Gaese, K., Bonn, A., Cumming, G. S., Eigenbrod, F., Grimm, V., Jackson, B. M., Marques, A., Pattanayak, S. K., Pereira, et al
  2018; 68 (3): 167–68

- **Mainstreaming investments in watershed services to enhance water security: Barriers and opportunities** *ENVIRONMENTAL SCIENCE & POLICY*
  Vogl, A. L., Goldstein, J. H., Daily, G. C., Vira, B., Bremer, L., McDonald, R. I., Shemie, D., Tellman, B., Cassin, J.
  2017; 75: 19–27

- **When, Where, and How Nature Matters for Ecosystem Services: Challenges for the Next Generation of Ecosystem Service Models** *BIOSCIENCE*
  Rieb, J. T., Chaplin-Kramer, R., Daily, G. C., Armsworth, P. R., Boehning-Gaese, K., Bonn, A., Cumming, G. S., Eigenbrod, F., Grimm, V., Jackson, B. M., Marques, A., Pattanayak, S. K., Pereira, et al
  2017; 67 (9): 820–33

- **REPLY TO YANG ET AL.: Coastal wetlands are not well represented by protected areas for endangered birds** *PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA*
  Xu, W., Xiao, Y., Zhang, J., Yang, W., Zhang, L., Hull, V., Wang, Z., Zheng, H., Liu, J., Polasky, S., Jiang, L., Xiao, Y., Shi, et al
  2017; 114 (28): E5493

- **Reply to Bridgewater and Babin: Need for a new protected area category for ecosystem services.** *Proceedings of the National Academy of Sciences of the United States of America*
  Xu, W., Xiao, Y., Zhang, J., Yang, W., Zhang, L., Hull, V., Wang, Z., Zheng, H., Liu, J., Polasky, S., Jiang, L., Xiao, Y., Shi, et al
  2017; 114 (22): E4319-E4320

- **Life cycle assessment needs predictive spatial modelling for biodiversity and ecosystem services** *NATURE COMMUNICATIONS*
  Chaplin-Kramer, R., Sim, S., Hamel, P., Bryant, B., Noe, R., Mueller, C., Rigarlsford, G., Kulak, M., Kowal, V., Sharp, R., Clavreul, J., Price, E., Polasky, et al
  2017; 8

- **A novel framework to account for ecological drivers in the control and elimination of environmentally transmitted disease: a modelling study**
  De Leo, G. A., Sokolow, S. H., Garchitorena, A., Ngonghala, C. N., Lund, A., Barry, M., Burke, K. S., Mordecai, E. A., Daily, G. C., Jones, J. H., Andrews, J. R., Bendavid, E., Luby, et al
  ELSEVIER SCIENCE INC.2017: 5

- **Strengthening protected areas for biodiversity and ecosystem services in China.** *Proceedings of the National Academy of Sciences of the United States of America*
  Xu, W., Xiao, Y., Zhang, J., Yang, W., Zhang, L., Hull, V., Wang, Z., Zheng, H., Liu, J., Polasky, S., Jiang, L., Xiao, Y., Shi, et al
  2017; 114 (7): 1601-1606

- **Sustainable intensification of agriculture for human prosperity and global sustainability** *AMBIO*
  Rockstrom, J., Williams, J., Daily, G., Noble, A., Matthews, N., Gordon, L., Wetterstrand, H., DeClerck, F., Shah, M., Steduto, P., de Fraiture, C., Hatibu, N., Unver, et al
  2017; 46 (1): 4-17

- **Phylogeny, Traits, and Biodiversity of a Neotropical Bat Assemblage: Close Relatives Show Similar Responses to Local Deforestation.** *The American naturalist*
  Frank, H. K., Frishkoff, L. O., Mendenhall, C. D., Daily, G. C., Hadly, E. A.
  2017; 190 (2): 200–212

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