



Harold Mooney

Paul S. and Billie Achilles Professor in Environmental Biology, Emeritus

CONTACT INFORMATION

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Bio

BIO

Stanford ecologist Harold “Hal” Mooney is the Paul S. Achilles Professor of Environmental Biology, emeritus, in the School of Humanities and Science’s Department of Biology and senior fellow, emeritus, with the Stanford Woods Institute as well as the Freeman Spogli Institute for International Studies. Mooney helped pioneer the field of physiological ecology and is an internationally recognized expert on environmental sciences. Through his six-decade academic career, Mooney has demonstrated how plant species and groups of species respond to their environments and developed research methodologies for assessing how plants interact with their biotic environments. To date he has authored more than 400 scientific books, papers and articles.

Mooney’s recent research focuses on assessing the impacts of global environmental change on terrestrial ecosystems, especially on ecosystem function, productivity and biodiversity. Recent research includes studying the environmental and social consequences of industrialized animal production systems and examining factors that promote the invasion of non-indigenous plant species.

Mooney has played an international leadership role in numerous research settings, especially with problems related to biodiversity, invasive species, global warming and Mediterranean climates. In addition, he has been active in building up worldwide communities and networks of ecologists and scientists in other disciplines and arranging international conferences on the environment. He played a central role in the International Geosphere-Biosphere Program (IGBP), building up an international organization of scientists and having an influential part in setting the guidelines for the formulation of environmental policies. He also has advanced numerous international research programs as Secretary General and Vice-President of the International Council for Science (ICSU).

Mooney earned his Ph.D. from Duke University in 1960 and started as an assistant professor at UCLA that same year. In 1968 he was recruited to Stanford University, where he was later appointed the Paul S. Achilles Professor of Environmental Biology in the School of Humanities and Science’s Department of Biology. A senior fellow with the Stanford Woods Institute as well as the Freeman Spogli Institute for International Studies, Mooney has led a wide range of national and international scientific activities related to environment and conservation.

Notable roles included coordinating the 1995 Global Biodiversity Assessment, co-chairing the Assessment Panel of the 2005 Millennium Ecosystem Assessment, establishing and leading the Global Invasive Species Program and serving as lead review editor for the ongoing global assessment of the Intergovernmental Platform on Biodiversity and Ecosystem Services. His many accolades and awards include the 1990 ECI Prize in terrestrial ecology, the 1992 Max Planck Research Award in biosciences, the 1996 Eminent Ecologist Award from the Ecological Society of America, the 2000 Nevada Medal, the 2002 Blue Planet Prize, the 2007 Ramon Margalef Prize in Ecology, the 2008 Tyler Prize, the 2008 BBVA Foundation Award for Biodiversity Conservation, and the 2010 Volvo Environment Prize.

ACADEMIC APPOINTMENTS

- Professor, Biology
- Emeritus Faculty, Acad Council, Natural Sciences
- Senior Fellow, Emeritus, Stanford Woods Institute for the Environment

PROGRAM AFFILIATIONS

- Center for Latin American Studies

PROFESSIONAL EDUCATION

- Ph.D., Duke University , Biology (1960)
- B.A., University of California, Santa Barbara , Biology (1957)

Publications

PUBLICATIONS

- **Integrating agroecological production in a robust post-2020 Global Biodiversity Framework.** *Nature ecology & evolution*
Wanger, T. C., DeClerck, F., Garibaldi, L. A., Ghazoul, J., Kleijn, D., Klein, A., Kremen, C., Mooney, H., Perfecto, I., Powell, L. L., Settele, J., Sole, M., Tscharntke, et al
2020
- **The IPBES Global Assessment: Pathways to Action.** *Trends in ecology & evolution*
Ruckelshaus, M. H., Jackson, S. T., Mooney, H. A., Jacobs, K. L., Kassam, K. S., Arroyo, M. T., Báldi, A. n., Bartuska, A. M., Boyd, J. n., Joppa, L. N., Kovács-Hostyánszki, A. n., Parsons, J. P., Scholes, et al
2020; 35 (5): 407–14
- **Seasonal patterns of growth phenology and nutrient dynamics in four matorral shrubs in Central Chile** *GAYANA BOTANICA*
Rundel, P. W., Sharifi, M., Vu, M. K., Montenegro, G., Mooney, H. A.
2019; 76 (2): 208–19
- **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. L., Routh, D., San Juan, P. A., Mooney, et al
2019; 3 (4): 708
- **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
- **Tradeoffs in demographic mechanisms underlie differences in species abundance and stability.** *Nature communications*
Hallett, L. M., Farrer, E. C., Suding, K. N., Mooney, H. A., Hobbs, R. J.
2018; 9 (1): 5047
- **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

- **Importing food damages domestic environment: Evidence from global soybean trade** *PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA*
Sun, J., Mooney, H., Wu, W., Tang, H., Tong, Y., Xu, Z., Huang, B., Cheng, Y., Yang, X., Wei, D., Zhang, F., Liu, J.
2018; 115 (21): 5415–19
- **The Millennium Ecosystem Assessment: Testing the Limits of Interdisciplinary and Multi-scale Science** *Ecology, Economy and Society - Essays in Honour of Kanchan Chopra*
Reid, W. V., Mooney, H. A.
Springer, Singapore.2018: 49–61
- **Valuing Chaparral Ecological, Socio-Economic, and Management Perspectives Foreword** *VALUING CHAPARRAL: ECOLOGICAL, SOCIO-ECONOMIC, AND MANAGEMENT PERSPECTIVES*
Mooney, H. A., Underwood, E. C., Safford, H. D., Molinari, N. A., Keeley, J. E.
2018: V-VII
- **Foreword** *Valuing Chaparral - Ecological, Socio-Economic, and Management Perspectives*
Mooney, H. A.
Springer.2018
- **The Shenzhen Declaration on Plant Sciences Uniting plant sciences and society to build a green, sustainable Earth** *JOURNAL OF SYSTEMATICS AND EVOLUTION*
Crane, P. R., Ge, S., Hong, D., Huang, H., Jiao, G., Knapp, S., Kress, W., Mooney, H., Raven, P. H., Wen, J., Wu, W., Yang, H., Zhu, et al
2017; 55 (5): 415–16
- **The Shenzhen Declaration on Plant Sciences Uniting plant sciences and society to build a green, sustainable Earth** *PHYTOKEYS*
Crane, P. R., Ge, S., Hong, D., Huang, H., Jiao, G., Knapp, S., Kress, W., Mooney, H., Raven, P. H., Wen, J., Wu, W., Yang, H., Zhu, et al
2017: 3–7
- **Socio-Environmental Systems (SES) Research: what have we learned and how can we use this information in future research programs** *CURRENT OPINION IN ENVIRONMENTAL SUSTAINABILITY*
Turner, B. L., Esler, K. J., Bridgewater, P., Tewksbury, J., Sitas, N., Abrahams, B., Chapin, F. S., Chowdhury, R. R., Christie, P., Diaz, S., Firth, P., Knapp, C. N., Kramer, et al
2016; 19: 160-168
- **The Millennium Ecosystem Assessment: testing the limits of interdisciplinary and multi-scale science** *CURRENT OPINION IN ENVIRONMENTAL SUSTAINABILITY*
Reid, W. V., Mooney, H. A.
2016; 19: 40-46
- **Toward a national, sustained U.S. ecosystem assessment.** *Science (New York, N.Y.)*
Jackson, S. T., Duke, C. S., Hampton, S. E., Jacobs, K. L., Joppa, L. N., Kassam, K. S., Mooney, H. A., Ogden, L. A., Ruckelshaus, M. n., Shogren, J. F.
2016; 354 (6314): 838–39
- **Government: Plan for ecosystem services.** *Science (New York, N.Y.)*
Joppa, L. N., Boyd, J. W., Duke, C. S., Hampton, S. n., Jackson, S. T., Jacobs, K. L., Kassam, K. S., Mooney, H. A., Ogden, L. A., Ruckelshaus, M. n., Shogren, J. F.
2016; 351 (6277): 1037
- **National indicators for observing ecosystem service change** *GLOBAL ENVIRONMENTAL CHANGE-HUMAN AND POLICY DIMENSIONS*
Karp, D. S., Tallis, H., Sachse, R., Halpern, B., Thonicke, K., Cramer, W., Mooney, H., Polasky, S., Tietjen, B., Waha, K., Walt, A., Wolny, S.
2015; 35: 12-21
- **Linking biodiversity, ecosystem services, and human well-being: three challenges for designing research for sustainability** *CURRENT OPINION IN ENVIRONMENTAL SUSTAINABILITY*
Bennett, E. M., Cramer, W., Begossi, A., Cundill, G., Diaz, S., Egoh, B. N., Geijzendorffer, I. R., Krug, C. B., Lavorel, S., Lazos, E., Lebel, L., Martin-Lopez, B., Meyfroidt, et al
2015; 14: 76-85
- **The IPBES Conceptual Framework - connecting nature and people** *CURRENT OPINION IN ENVIRONMENTAL SUSTAINABILITY*
Diaz, S., Demissew, S., Carabias, J., Joly, C., Lonsdale, M., Ash, N., Larigauderie, A., Adhikari, J. R., Arico, S., Baldi, A., Bartuska, A., Baste, I. A., Bilgin, et al
2015; 14: 1-16

- **Systems integration for global sustainability** *SCIENCE*
Liu, J., Mooney, H., Hull, V., Davis, S. J., Gaskell, J., Hertel, T., Lubchenco, J., Seto, K. C., Gleick, P., Kremen, C., Li, S.
2015; 347 (6225): 963-?
- **Sustainability. Systems integration for global sustainability.** *Science*
Liu, J., Mooney, H., Hull, V., Davis, S. J., Gaskell, J., Hertel, T., Lubchenco, J., Seto, K. C., Gleick, P., Kremen, C., Li, S.
2015; 347 (6225)
- **Ecosystems of California**
Mooney, H., Zavaleta, E.
University of California Press.2015
- **Fauna in decline: global assessments.** *Science*
Mooney, H., Tallis, H.
2014; 345 (6199): 885-?
- **IPBES: biodiversity panel should play by rules.** *Nature*
Ogden, L., Hotes, S., Mooney, H.
2014; 506 (7487): 159
- **Restoring Native Forest Understory: The Influence of Ferns and Light in a Hawaiian Experiment** *SUSTAINABILITY*
Gould, R. K., Mooney, H., Nelson, L., Shallenberger, R., Daily, G. C.
2013; 5 (3): 1317-1339
- **Evolution of natural and social science interactions in global change research programs** *PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA*
Mooney, H. A., Duraiappah, A., Larigauderie, A.
2013; 110: 3665-3672
- **A Global System for Monitoring Ecosystem Service Change** *BIOSCIENCE*
Tallis, H., Mooney, H., Andelman, S., Balvanera, P., Cramer, W., Karp, D., Polasky, S., Reyers, B., Ricketts, T., Running, S., Thonicke, K., Tietjen, B., Walz, et al
2012; 62 (11): 977-986
- **Finding Common Ground for Biodiversity and Ecosystem Services** *BIOSCIENCE*
Reyers, B., Polasky, S., Tallis, H., Mooney, H. A., Larigauderie, A.
2012; 62 (5): 503-507
- **Building a global observing system for biodiversity** *CURRENT OPINION IN ENVIRONMENTAL SUSTAINABILITY*
Scholes, R. J., Walters, M., Turak, E., Saarenmaa, H., Heip, C. H., Tuama, E. O., Faith, D. P., Mooney, H. A., Ferrier, S., Jongman, R. H., Harrison, I. J., Yahara, T., Pereira, et al
2012; 4 (1): 139-146
- **Biodiversity and ecosystem services science for a sustainable planet: the DIVERSITAS vision for 2012-20** *CURRENT OPINION IN ENVIRONMENTAL SUSTAINABILITY*
Larigauderie, A., Prieur-Richard, A., Mace, G. M., Lonsdale, M., Mooney, H. A., Brussaard, L., Cooper, D., Cramer, W., Daszak, P., Diaz, S., Duraiappah, A., Elmqvist, T., Faith, et al
2012; 4 (1): 101-105
- **Biodiversity and ecosystem services science for a sustainable planet: the DIVERSITAS vision for 2012-20.** *Current opinion in environmental sustainability*
Larigauderie, A., Prieur-Richard, A. H., Mace, G. M., Lonsdale, M., Mooney, H. A., Brussaard, L., Cooper, D., Cramer, W., Daszak, P., Diaz, S., Duraiappah, A., Elmqvist, T., Faith, et al
2012; 4 (1): 101-105
- **Ecosystem services, targets, and indicators for the conservation and sustainable use of biodiversity** *FRONTIERS IN ECOLOGY AND THE ENVIRONMENT*
Perrings, C., Naeem, S., Ahrestani, F. S., Bunker, D. E., Burkill, P., Canziani, G., Elmqvist, T., Fuhrman, J. A., Jaksic, F. M., Kawabata, Z., Kinzig, A., Mace, G. M., Mooney, et al
2011; 9 (9): 512-520
- **Non-natives: 141 scientists object** *NATURE*
Simberloff, D., Alexander, J., Allendorf, F., Aronson, J., Antunes, P. M., Bacher, S., Bardgett, R., Bertolino, S., Bishop, M., Blackburn, T. M., Blakeslee, A., Blumenthal, D., Bortolus, et al

2011; 475 (7354): 36-36

- **Intervention Ecology: Applying Ecological Science in the Twenty-first Century** *BIOSCIENCE*
Hobbs, R. J., Hallett, L. M., Ehrlich, P. R., Mooney, H. A.
2011; 61 (6): 442-450
- **Conservation. Ecosystem services for 2020.** *Science*
Perrings, C., Naeem, S., Ahrestani, F., Bunker, D. E., Burkill, P., Canziani, G., Elmqvist, T., Ferrati, R., Fuhrman, J., JAKSIC, F., Kawabata, Z., Kinzig, A., Mace, et al
2010; 330 (6002): 323-324
- **The Intergovernmental science-policy Platform on Biodiversity and Ecosystem Services: moving a step closer to an IPCC-like mechanism for biodiversity** *CURRENT OPINION IN ENVIRONMENTAL SUSTAINABILITY*
Larigauderie, A., Mooney, H. A.
2010; 2 (1-2): 9-14
- **Biodiversity targets after 2010** *CURRENT OPINION IN ENVIRONMENTAL SUSTAINABILITY*
Mace, G. M., Cramer, W., Diaz, S., Faith, D. P., Larigauderie, A., Le Prestre, P., Palmer, M., Perrings, C., Scholes, R. J., Walpole, M., Walther, B. A., Watson, J. E., Mooney, et al
2010; 2 (1-2): 3-8
- **The ecosystem-service chain and the biological diversity crisis** *PHILOSOPHICAL TRANSACTIONS OF THE ROYAL SOCIETY B-BIOLOGICAL SCIENCES*
Mooney, H. A.
2010; 365 (1537): 31-39
- **International cooperation in the solution to trade-related invasive species risks** *YEAR IN ECOLOGY AND CONSERVATION BIOLOGY 2010*
Perrings, C., Burgiel, S., Lonsdale, M., Mooney, H., Williamson, M.
2010; 1195: 198-212
- **Developing a common strategy for integrative global environmental change research and outreach: the Earth System Science Partnership (ESSP) Strategy paper** *CURRENT OPINION IN ENVIRONMENTAL SUSTAINABILITY*
Leemans, R., Asrar, G., Busalacchi, A., Canadell, J., Ingram, J., Larigauderie, A., Mooney, H., Nobre, C., Patwardhan, A., Rice, M., Schmidt, F., Seitzinger, S., Virji, et al
2009; 1 (1): 4-13
- **Biodiversity, climate change, and ecosystem services** *CURRENT OPINION IN ENVIRONMENTAL SUSTAINABILITY*
Mooney, H., Larigauderie, A., Cesario, M., Elmquist, T., Hoegh-Guldberg, O., Lavorel, S., Mace, G. M., Palmer, M., Scholes, R., Yahara, T.
2009; 1 (1): 46-54
- **Biodiversity Policy Challenges** *SCIENCE*
Mooney, H., Mace, G.
2009; 325 (5947): 1474-1474
- **Invasive species, ecosystem services and human well-being** *TRENDS IN ECOLOGY & EVOLUTION*
Pejchar, L., Mooney, H. A.
2009; 24 (9): 497-504
- **Science for managing ecosystem services: Beyond the Millennium Ecosystem Assessment** *PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA*
Carpenter, S. R., Mooney, H. A., Agard, J., Capistrano, D., DeFries, R. S., Diaz, S., Dietz, T., Duraiappah, A. K., Oteng-Yeboah, A., Pereira, H. M., Perrings, C., Reid, W. V., Sarukhan, et al
2009; 106 (5): 1305-1312
- **Ecosystem services in decision making: time to deliver** *FRONTIERS IN ECOLOGY AND THE ENVIRONMENT*
Daily, G. C., Polasky, S., Goldstein, J., Kareiva, P. M., Mooney, H. A., Pejchar, L., Ricketts, T. H., Salzman, J., Shallenberger, R.
2009; 7 (1): 21-28
- **How can high seas biodiversity be assessed in order to inform decision-making? Introduction** *International Seminar Towards a New Governance of High Seas Biodiversity*
Mooney, H.
INST OCEANOGRAPHIQUE.2009: 41-42

- **Omora Ethnobotanical Park and the UNESCO Cape Horn Biosphere Reserve** *ECOLOGY AND SOCIETY*
Hargrove, E. C., Arroyo, M. T., Raven, P. H., Mooney, H.
2008; 13 (2)
- **Should agricultural policies encourage land sparing or wildlife-friendly farming?** *FRONTIERS IN ECOLOGY AND THE ENVIRONMENT*
Fischer, J., Brosi, B., Daily, G. C., Ehrlich, P. R., Goldman, R., Goldstein, J., Lindenmayer, D. B., Manning, A. D., Mooney, H. A., Pejchar, L., Ranganathan, J., Tallis, H.
2008; 6 (7): 382-387
- **A checklist for ecological management of landscapes for conservation** *ECOLOGY LETTERS*
Lindenmayer, D., Hobbs, R. J., Montague-Drake, R., Alexandra, J., Bennett, A., Burgman, M., Cale, P., Calhoun, A., Cramer, V., Cullen, P., Driscoll, D., Fahrig, L., Fischer, et al
2008; 11 (1): 78-91
- **International trade in meat: The tip of the pork chop** *AMBIO*
Galloway, J. N., Burke, M., Bradford, G. E., Naylor, R., Falcon, W., Chapagain, A. K., Gaskell, J. C., McCullough, E., Mooney, H. A., Oleson, K. L., Steinfeld, H., Wassenaar, T., Smil, et al
2007; 36 (8): 622-629
- **Long-term data reveal complex dynamics in grassland in relation to climate and disturbance** *ECOLOGICAL MONOGRAPHS*
Hobbs, R. J., Yates, S., Mooney, H. A.
2007; 77 (4): 545-568
- **Shifting plant phenology in response to global change** *TRENDS IN ECOLOGY & EVOLUTION*
Cleland, E. E., Chuine, I., Menzel, A., Mooney, H. A., Schwartz, M. D.
2007; 22 (7): 357-365
- **Responses of temporal distribution of gastropods to individual and combined effects of elevated CO₂ and N deposition in annual grassland** *ACTA OECOLOGICA-INTERNATIONAL JOURNAL OF ECOLOGY*
Peters, H. A., Hsu, G., Cleland, E. E., Chiariello, N. R., Mooney, H. A., Field, C. B.
2007; 31 (3): 343-352
- **Invasive alien species in an era of globalization** *ESA Conference on Ecology in an Era of Globalization - Challenges and Opportunities for Environmental Scientists in the Americas*
Meyerson, L. A., Mooney, H. A.
ECOLOGICAL SOC AMER.2007: 199-208
- **The nature and value of ecosystem services: An overview highlighting hydrologic services** *ANNUAL REVIEW OF ENVIRONMENT AND RESOURCES*
Brauman, K. A., Daily, G. C., Duarte, T. K., Mooney, H. A.
2007; 32: 67-98
- **Interactive effects of fire, elevated carbon dioxide, nitrogen deposition, and precipitation on a California annual grassland** *ECOSYSTEMS*
Henry, H. A., Chiariello, N. R., Vitousek, P. M., Mooney, H. A., Field, C. B.
2006; 9 (7): 1066-1075
- **Reconciling carbon-cycle concepts, terminology, and methods** *ECOSYSTEMS*
Chapin, F. S., Woodwell, G. M., Randerson, J. T., Rastetter, E. B., Lovett, G. M., Baldocchi, D. D., Clark, D. A., Harmon, M. E., Schimel, D. S., Valentini, R., Wirth, C., Aber, J. D., Cole, et al
2006; 9 (7): 1041-1050
- **Diverse responses of phenology to global changes in a grassland ecosystem** *PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA*
Cleland, E. E., Chiariello, N. R., Loarie, S. R., Mooney, H. A., Field, C. B.
2006; 103 (37): 13740-13744
- **Habitat loss, trophic collapse, and the decline of ecosystem services** *ECOLOGY*
Dobson, A., Lodge, D., Alder, J., Cumming, G. S., Keymer, J., McGlade, J., Mooney, H., Rusak, J. A., Sala, O., Wolters, V., Wall, D., Winfree, R., Xenopoulos, et al
2006; 87 (8): 1915-1924

- **Reduced nitrate leaching and enhanced denitrifier activity and efficiency in organically fertilized soils** *PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA*
Kramer, S. B., Reganold, J. P., Glover, J. D., Bohannon, B. J., Mooney, H. A.
2006; 103 (12): 4522-4527
- **Gastropod herbivory in response to elevated CO₂ and N addition impacts plant community composition** *ECOLOGY*
Cleland, E. E., Peters, H. A., Mooney, H. A., Field, C. B.
2006; 87 (3): 686-694
- **Herbivore control of annual grassland composition in current and future environments** *ECOLOGY LETTERS*
Peters, H. A., Cleland, E. E., Mooney, H. A., Field, C. B.
2006; 9 (1): 86-94
- **Agriculture. Losing the links between livestock and land.** *Science*
Naylor, R., Steinfeld, H., Falcon, W., Galloway, J., Smil, V., Bradford, E., Alder, J., Mooney, H.
2005; 310 (5754): 1621-1622
- **Responses of grassland production to single and multiple global environmental changes** *PLOS BIOLOGY*
Dukes, J. S., Chiariello, N. R., Cleland, E. E., Moore, L. A., Shaw, M. R., Thayer, S., Tobeck, T., Mooney, H. A., Field, C. B.
2005; 3 (10): 1829-1837
- **Ecosystem services of tropical dry forests: Insights from long-term ecological and social research on the Pacific Coast of Mexico** *ECOLOGY AND SOCIETY*
Maass, J. M., Balvanera, P., Castillo, A., Daily, G. C., Mooney, H. A., Ehrlich, P., Quesada, M., Miranda, A., Jaramillo, V. J., Garcia-Oliva, F., Martinez-Yrizar, A., Cotler, H., Lopez-Blanco, et al
2005; 10 (1)
- **Native harvester ants threatened with widespread displacement exert localized effects on serpentine grassland plant community composition** *OIKOS*
Peters, H. A., Chiariello, N. R., Mooney, H. A., Levin, S. A., Hartley, A. E.
2005; 109 (2): 351-359
- **Confronting the human dilemma** *NATURE*
Mooney, H., Cropper, A., Reid, W.
2005; 434 (7033): 561-562
- **Disruption of ecosystem processes in western North America by invasive species** *REVISTA CHILENA DE HISTORIA NATURAL*
Dukes, J. S., Mooney, H. A.
2004; 77 (3): 411-437
- **The millennium ecosystem assessment: what is it all about?** *TRENDS IN ECOLOGY & EVOLUTION*
Mooney, H. A., Cropper, A., Reid, W.
2004; 19 (5): 221-224
- **Grassland responses to three years of elevated temperature, CO₂, precipitation, and N deposition** *ECOLOGICAL MONOGRAPHS*
Zavaleta, E. S., Shaw, M. R., Chiariello, N. R., Thomas, B. D., Cleland, E. E., Field, C. B., Mooney, H. A.
2003; 73 (4): 585-604
- **Additive effects of simulated climate changes, elevated CO₂, and nitrogen deposition on grassland diversity** *PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA*
Zavaleta, E. S., Shaw, M. R., Chiariello, N. R., Mooney, H. A., Field, C. B.
2003; 100 (13): 7650-7654
- **Assessing environmental changes in grasslands - Response** *SCIENCE*
Field, C. B., Shaw, M. R., Mooney, H. A., Zavaleta, E. S., Chiariello, N. R., Cleland, E. E.
2003; 299 (5614): 1844-1845
- **Grassland responses to global environmental changes suppressed by elevated CO₂** *SCIENCE*
Shaw, M. R., Zavaleta, E. S., Chiariello, N. R., Cleland, E. E., Mooney, H. A., Field, C. B.
2002; 298 (5600): 1987-1990
- **Viewing invasive species removal in a whole-ecosystem context** *TRENDS IN ECOLOGY & EVOLUTION*

- Zavaleta, E. S., Hobbs, R. J., Mooney, H. A.
2001; 16 (8): 454-459
- **The evolutionary impact of invasive species** *National-Academy-of-Sciences Colloquium on the Future of Evolution*
Mooney, H. A., Cleland, E. E.
NATL ACAD SCIENCES.2001: 5446-51
 - **Contrasting effects of elevated CO₂ on old and new soil carbon pools** *SOIL BIOLOGY & BIOCHEMISTRY*
Cardon, Z. G., Hungate, B. A., Cambardella, C. A., Chapin, F. S., Field, C. B., Holland, E. A., Mooney, H. A.
2001; 33 (3): 365-373
 - **An International Biodiversity Observation Year** *TRENDS IN ECOLOGY & EVOLUTION*
Wall, D., Mooney, H., Adams, G., Boxshall, G., Dobson, A., Nakashizuka, T., Seyani, J., Samper, C., Sarukhan, J.
2001; 16 (1): 52-54
 - **Effect of aquaculture on world fish supplies** *NATURE*
Naylor, R. L., Goldburg, R. J., Primavera, J. H., Kautsky, N., Beveridge, M. C., Clay, J., Folke, C., Lubchenco, J., Mooney, H., Troell, M.
2000; 405 (6790): 1017-1024
 - **Biodiversity - Global biodiversity scenarios for the year 2100** *SCIENCE*
Sala, O. E., Chapin, F. S., Armesto, J. J., Berlow, E., Bloomfield, J., Dirzo, R., Huber-Sanwald, E., Huenneke, L. F., Jackson, R. B., Kinzig, A., Leemans, R., Lodge, D. M., Mooney, et al
2000; 287 (5459): 1770-1774
 - **Global biodiversity scenarios for the year 2100.** *Science*
Sala, O. E., Chapin, F. S., Armesto, J. J., Berlow, E., Bloomfield, J., Dirzo, R., Huber-Sanwald, E., Huenneke, L. F., Jackson, R. B., Kinzig, A., Leemans, R., Lodge, D. M., Mooney, et al
2000; 287 (5459): 1770-1774
 - **Carbon metabolism of the terrestrial biosphere: A multitechnique approach for improved understanding** *ECOSYSTEMS*
Canadell, J. G., Mooney, H. A., Baldocchi, D. D., Berry, J. A., Ehleringer, J. R., Field, C. B., Gower, S. T., Hollinger, D. Y., Hunt, J. E., Jackson, R. B., Running, S. W., Shaver, G. R., STEFFEN, et al
2000; 3 (2): 115-130
 - **Does global change increase the success of biological invaders?** *TRENDS IN ECOLOGY & EVOLUTION*
Dukes, J. S., Mooney, H. A.
1999; 14 (4): 135-139
 - **Ecological science and the human predicament** *SCIENCE*
Bazzaz, F., Ceballos, G., Davis, M., Dirzo, R., Ehrlich, P. R., Eisner, T., Levin, S., Lawton, J. H., Lubchenco, J., Matson, P. A., Mooney, H. A., Raven, P. H., Roughgarden, et al
1998; 282 (5390): 879-879
 - **Downward flux of water through roots (ie inverse hydraulic lift) in dry Kalahari sands** *OECOLOGIA*
Schulze, E. D., Caldwell, M. M., Canadell, J., Mooney, H. A., Jackson, R. B., Parson, D., Scholes, R., Sala, O. E., Trimborn, P.
1998; 115 (4): 460-462
 - **The terrestrial carbon cycle: Implications for the Kyoto Protocol** *SCIENCE*
STEFFEN, W., Noble, I., Canadell, J., Apps, M., Schulze, E. D., Jarvis, P. G., Baldocchi, D., Ciais, P., Cramer, W., Ehleringer, J., Farquhar, G., Field, C. B., Ghazi, et al
1998; 280 (5368): 1393-1394
 - **Broadening the extinction debate: Population deletions and additions in California and Western Australia** *CONSERVATION BIOLOGY*
Hobbs, R. J., Mooney, H. A.
1998; 12 (2): 271-283
 - **Carbon isotope ratios of Atacama Desert plants reflect hyperaridity of region in northern Chile** *REVISTA CHILENA DE HISTORIA NATURAL*
Ehleringer, J. R., RUNDEL, P. W., Palma, B., Mooney, H. A.
1998; 71 (1): 79-86
 - **Ecosystem water fluxes for two grasslands in elevated CO₂: a modeling analysis** *OECOLOGIA*

- Jackson, R. B., Sala, O. E., Paruelo, J. M., Mooney, H. A.
1998; 113 (4): 537-546
- **a modeling analysis.** *Oecologia*
Jackson, R. B., Sala, O. E., Paruelo, J. M., Mooney, H. A.
1998; 113 (4): 537-546
 - **Mangrove biodiversity and ecosystem function** *International Workshop on Biodiversity and Ecosystem Function in Marine Ecosystems*
Field, C. B., Osborn, J. G., Hoffmann, L. L., Polsenberg, J. F., Ackerly, D. D., Berry, J. A., Bjorkman, O., Held, Z., Matson, P. A., Mooney, H. A.
WILEY-BLACKWELL PUBLISHING, INC.1998: 3-14
 - **Ecosystem consequences of changing biodiversity - Experimental evidence and a research agenda for the future** *BIOSCIENCE*
Chapin, F. S., Sala, O. E., Burke, I. C., Grime, J. P., Hooper, D. U., Lauenroth, W. K., Lombard, A., Mooney, H. A., Mosier, A. R., Naeem, S., Pacala, S. W., Roy, J., Steffen, et al
1998; 48 (1): 45-52
 - **Disproportional increases in photosynthesis and plant biomass in a Californian grassland exposed to elevated CO2: a simulation analysis** *FUNCTIONAL ECOLOGY*
Luo, Y., Chen, J. L., Reynolds, J. F., Field, C. B., Mooney, H. A.
1997; 11 (6): 696-704
 - **The fate of carbon in grasslands under carbon dioxide enrichment** *NATURE*
Hungate, B. A., Holland, E. A., Jackson, R. B., Chapin, F. S., Mooney, H. A., Field, C. B.
1997; 388 (6642): 576-579
 - **Human domination of Earth's ecosystems** *SCIENCE*
Vitousek, P. M., Mooney, H. A., Lubchenco, J., Melillo, J. M.
1997; 277 (5325): 494-499
 - **A global budget for fine root biomass, surface area, and nutrient contents** *PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA*
Jackson, R. B., Mooney, H. A., Schulze, E. D.
1997; 94 (14): 7362-7366
 - **Modeling the Exchanges of Energy, Water, and Carbon Between Continents and the Atmosphere** *Science (New York, N.Y.)*
Sellers, P. J., Dickinson, R. E., Randall, D. A., Betts, A. K., Hall, F. G., Berry, J. A., Collatz, G. J., Denning, A. S., Mooney, H. A., Nobre, C. A., Sato, N., Field, C. B., Henderson-Sellers, et al
1997; 275 (5299): 502-9
 - **Modeling the exchanges of energy, water, and carbon between continents and the atmosphere** *SCIENCE*
Sellers, P. J., Dickinson, R. E., Randall, D. A., Betts, A. K., Hall, F. G., Berry, J. A., Collatz, G. J., Denning, A. S., Mooney, H. A., Nobre, C. A., Sato, N., Field, C. B., Henderson-Sellers, et al
1997; 275 (5299): 502-509
 - **Adapting GePSi (generic plant simulator) for modeling studies in the Jasper Ridge CO2 project** *ECOLOGICAL MODELLING*
Luo, Y., Field, C. B., Mooney, H. A.
1997; 94 (1): 81-88
 - **Maximum rooting depth of vegetation types at the global scale** *OECOLOGIA*
Canadell, J., Jackson, R. B., Ehleringer, J. R., Mooney, H. A., Sala, O. E., Schulze, E. D.
1996; 108 (4): 583-595
 - **A global analysis of root distributions for terrestrial biomes** *OECOLOGIA*
Jackson, R. B., Canadell, J., Ehleringer, J. R., Mooney, H. A., Sala, O. E., Schulze, E. D.
1996; 108 (3): 389-411
 - **Rooting depth, water availability, and vegetation cover along an aridity gradient in Patagonia** *OECOLOGIA*
Schulze, E. D., Mooney, H. A., Sala, O. E., Jobbagy, E., Buchmann, N., Bauer, G., Canadell, J., Jackson, R. B., Loretto, J., Oesterheld, M., Ehleringer, J. R.
1996; 108 (3): 503-511
 - **Elevated CO2 increases belowground respiration in California grasslands** *OECOLOGIA*

-
- Luo, Y. Q., Jackson, R. B., Field, C. B., Mooney, H. A.
1996; 108 (1): 130-137
- **increases belowground respiration in California grasslands.** *Oecologia*
Luo, Y., Jackson, R. B., Field, C. B., Mooney, H. A.
1996; 108 (1): 130-137
 - **Effects of CO₂ and nutrient enrichment on tissue quality of two California annuals** *OECOLOGIA*
Chu, C. C., Field, C. B., Mooney, H. A.
1996; 107 (4): 433-440
 - **and nutrient enrichment on tissue quality of two California annuals.** *Oecologia*
Chu, C. C., Field, C. B., Mooney, H. A.
1996; 107 (4): 433-440
 - **Resource heterogeneity generated by shrubs and topography on coastal sand dunes** *VEGETATIO*
Alpert, P., Mooney, H. A.
1996; 122 (1): 83-93
 - **MAPPING THE LAND-SURFACE FOR GLOBAL ATMOSPHERE-BIOSPHERE MODELS - TOWARD CONTINUOUS DISTRIBUTIONS OF VEGETATIONS FUNCTIONAL-PROPERTIES** *JOURNAL OF GEOPHYSICAL RESEARCH-ATMOSPHERES*
DeFries, R. S., Field, C. B., Fung, I., Justice, C. O., Los, S., Matson, P. A., Matthews, E., Mooney, H. A., Potter, C. S., Prentice, K., Sellers, P. J., Townshend, J. R., Tucker, et al
1995; 100 (D10): 20867-20882
 - **STOMATAL RESPONSES TO INCREASED CO₂ - IMPLICATIONS FROM THE PLANT TO THE GLOBAL-SCALE** *PLANT CELL AND ENVIRONMENT*
Field, C. B., Jackson, R. B., Mooney, H. A.
1995; 18 (10): 1214-1225
 - **GROWTH, PHOTOSYNTHESIS AND STORAGE OF CARBOHYDRATES AND NITROGEN IN PHASEOLUS-LUNATUS IN RELATION TO RESOURCE AVAILABILITY** *OECOLOGIA*
Mooney, H. A., Fichtner, K., Schulze, E. D.
1995; 104 (1): 17-23
 - **Long-term CO₂ stimulation of carbon influx into global terrestrial ecosystems: Issues and approaches** *JOURNAL OF BIOGEOGRAPHY*
Luo, Y. Q., Mooney, H. A.
1995; 22 (4-5): 797-803
 - **Photosynthesis, growth and density for the dominant species in a CO₂-enriched grassland** *1st Global Change and Terrestrial Ecosystems Science Conference*
Jackson, R. B., Luo, Y., Cardon, Z. G., Sala, O. E., Field, C. B., Mooney, H. A.
WILEY-BLACKWELL PUBLISHING, INC.1995: 221-25
 - **SPATIAL AND TEMPORAL VARIABILITY IN CALIFORNIA ANNUAL GRASSLAND - RESULTS FROM A LONG-TERM STUDY** *JOURNAL OF VEGETATION SCIENCE*
Hobbs, R. J., Mooney, H. A.
1995; 6 (1): 43-56
 - **PREDICTING RESPONSES OF PHOTOSYNTHESIS AND ROOT FRACTION TO ELEVATED [CO₂](A) - INTERACTIONS AMONG CARBON, NITROGEN, AND GROWTH** *PLANT CELL AND ENVIRONMENT*
Luo, Y., Field, C. B., Mooney, H. A.
1994; 17 (11): 1195-1204
 - **FUTURE-DIRECTIONS OF GLOBAL CHANGE RESEARCH IN TERRESTRIAL ECOSYSTEMS** *TRENDS IN ECOLOGY & EVOLUTION*
Mooney, H. A., Chapin, F. S.
1994; 9 (10): 371-372
 - **CO₂ ALTERS WATER-USE, CARBON GAIN, AND YIELD FOR THE DOMINANT SPECIES IN A NATURAL GRASSLAND** *OECOLOGIA*
Jackson, R. B., Sala, O. E., Field, C. B., Mooney, H. A.
1994; 98 (3-4): 257-262

- **GROWTH AND REPRODUCTION OF ARABIDOPSIS-THALIANA IN RELATION TO STORAGE OF STARCH AND NITRATE IN THE WILD-TYPE AND IN STARCH-DEFICIENT AND NITRATE-UPTAKE-DEFICIENT MUTANTS** *PLANT CELL AND ENVIRONMENT*
Schulze, W., Schulze, E. D., Stadler, J., Heilmeier, H., Stitt, M., Mooney, H. A.
1994; 17 (7): 795-809
- **COMPENSATION AS A PLANT-RESPONSE TO OZONE AND ASSOCIATED STRESSES - AN ANALYSIS OF ROPIS EXPERIMENTS** *JOURNAL OF ENVIRONMENTAL QUALITY*
Pell, E. J., Temple, P. J., Friend, A. L., Mooney, H. A., Winner, W. E.
1994; 23 (3): 429-436
- **THE IMPACT OF RISING CO2 CONCENTRATIONS ON THE TERRESTRIAL BIOSPHERE** *AMBIO*
Mooney, H. A., Koch, G. W.
1994; 23 (1): 74-76
- **TERRESTRIAL ECOSYSTEM PRODUCTION - A PROCESS MODEL-BASED ON GLOBAL SATELLITE AND SURFACE DATA** *GLOBAL BIOGEOCHEMICAL CYCLES*
Potter, C. S., Randerson, J. T., Field, C. B., Matson, P. A., Vitousek, P. M., Mooney, H. A., Klooster, S. A.
1993; 7 (4): 811-841
- **SCIENCE AND SUSTAINABLE USE** *ECOLOGICAL APPLICATIONS*
Mooney, H. A., Sala, O. E.
1993; 3 (4): 564-566
- **PATTERNS OF STEM PHOTOSYNTHESIS IN 2 INVASIVE LEGUMES (SPARTIUM-JUNCEUM, CYTISUS-SCOPARIUS) OF THE CALIFORNIA COASTAL REGION** *AMERICAN JOURNAL OF BOTANY*
Nilsen, E. T., KARPA, D., Mooney, H. A., Field, C.
1993; 80 (10): 1126-1136
- **DECREASED RIBULOSE-1,5-BISPHOSPHATE CARBOXYLASE-OXYGENASE IN TRANSGENIC TOBACCO TRANSFORMED WITH ANTISENSE RBCS .5. RELATIONSHIP BETWEEN PHOTOSYNTHETIC RATE, STORAGE STRATEGY, BIOMASS ALLOCATION AND VEGETATIVE PLANT-GROWTH AT 3 DIFFERENT NITROGEN SUPPLIES** *PLANTA*
Fichtner, K., Quick, W. P., Schulze, E. D., Mooney, H. A., RODERMEL, S. R., Bogorad, L., Stitt, M.
1993; 190 (1): 1-9
- **RESPONSE OF RADISH TO MULTIPLE STRESSES .2. INFLUENCE OF SEASON AND GENOTYPE ON PLANT-RESPONSE TO OZONE AND SOIL-MOISTURE DEFICIT** *NEW PHYTOLOGIST*
Pell, E. J., Sinn, J. P., Eckardt, N., JOHANSEN, C. V., Winner, W. E., Mooney, H. A.
1993; 123 (1): 153-163
- **SEASONAL PATTERNS OF ACID FLUCTUATIONS AND RESOURCE STORAGE IN THE ARBORESCENT CACTUS OPUNTIA-EXCELSA IN RELATION TO LIGHT AVAILABILITY AND SIZE** *OECOLOGIA*
Lerdau, M. T., Holbrook, N. M., Mooney, H. A., Rich, P. M., Whitbeck, J. L.
1992; 92 (2): 166-171
- **Seasonal patterns of acid fluctuations and resource storage in the arborescent cactus Opuntia excelsa in relation to light availability and size.** *Oecologia*
Lerdau, M. T., Holbrook, N. M., Mooney, H. A., Rich, P. M., Whitbeck, J. L.
1992; 92 (2): 166-171
- **DECREASED RIBULOSE-1,5-BISPHOSPHATE CARBOXYLASE-OXYGENASE IN TRANSGENIC TOBACCO TRANSFORMED WITH ANTISENSE RBCS .4. IMPACT ON PHOTOSYNTHESIS IN CONDITIONS OF ALTERED NITROGEN SUPPLY** *PLANTA*
Quick, W. P., Fichtner, K., Schulze, E. D., Wendler, R., Leegood, R. C., Mooney, H., RODERMEL, S. R., Bogorad, L., Stitt, M.
1992; 188 (4): 522-531
- **LACK OF NITROGEN CYCLING IN THE ATACAMA DESERT** *NATURE*
Ehleringer, J. R., Mooney, H. A., RUNDEL, P. W., Evans, R. D., Palma, B., Delatorre, J.
1992; 359 (6393): 316-318
- **CARBOHYDRATE, WATER AND NITROGEN STORAGE IN VINES OF A TROPICAL DECIDUOUS FOREST** *BIOTROPICA*
Mooney, H. A., Chu, C., Bullock, S. H., Robichaux, R.
1992; 24 (2): 134-139

- **BIODIVERSITY AND ECOSYSTEM PROCESSES** *TRENDS IN ECOLOGY & EVOLUTION*
Chapin, F. S., Schulze, E. D., Mooney, H. A.
1992; 7 (4): 107-108
- **enrichment and the acquisition and allocation of carbon and nitrogen in wild radish.** *Oecologia*
Chu, C. C., Coleman, J. S., Mooney, H. A.
1992; 89 (4): 580-587
- **CONTROLS OF BIOMASS PARTITIONING BETWEEN ROOTS AND SHOOTS - ATMOSPHERIC CO2 ENRICHMENT AND THE ACQUISITION AND ALLOCATION OF CARBON AND NITROGEN IN WILD RADISH** *OECOLOGIA*
Chu, C. C., Coleman, J. S., Mooney, H. A.
1992; 89 (4): 580-587
- **RESPONSES OF TERRESTRIAL ECOSYSTEMS TO THE CHANGING ATMOSPHERE - A RESOURCE-BASED APPROACH** *ANNUAL REVIEW OF ECOLOGY AND SYSTEMATICS*
Field, C. B., Chapin, F. S., Matson, P. A., Mooney, H. A.
1992; 23: 201-235
- **ACCLIMATION TO OZONE STRESS IN RADISH - LEAF DEMOGRAPHY AND PHOTOSYNTHESIS** *NEW PHYTOLOGIST*
Held, A. A., Mooney, H. A., GORHAM, J. N.
1991; 118 (3): 417-423
- **THE SUSTAINABLE BIOSPHERE INITIATIVE - AN ECOLOGICAL RESEARCH AGENDA** *REVISTA CHILENA DE HISTORIA NATURAL*
Lubchenco, J., Olson, A. M., Brubaker, L. B., Carpenter, S. R., HOLLAND, M. M., HUBBEL, S. P., Levin, S. A., MacMahon, J. A., Matson, P. A., Melillo, J. M., Mooney, H. A., Peterson, C. H., Pulliam, et al
1991; 64 (1): 175-226
- **THE SUSTAINABLE BIOSPHERE INITIATIVE - AN ECOLOGICAL RESEARCH AGENDA - A REPORT FROM THE ECOLOGICAL-SOCIETY-OF-AMERICA** *ECOLOGY*
Lubchenco, J., Olson, A. M., Brubaker, L. B., Carpenter, S. R., HOLLAND, M. M., Hubbell, S. P., Levin, S. A., MacMahon, J. A., Matson, P. A., Melillo, J. M., Mooney, H. A., Peterson, C. H., Pulliam, et al
1991; 72 (2): 371-412
- **A SUSTAINABLE BIOSPHERE - THE GLOBAL IMPERATIVE** *REVISTA CHILENA DE HISTORIA NATURAL*
HUNTLEY, B. J., Ezcurra, E., FUENTES, E. R., Fujii, K., Grubb, P. J., Haber, W., HARGER, J. R., Holland, M., Levin, S. A., Lubchenco, J., Mooney, H. A., Noble, I., NERONOV, et al
1991; 64 (1): 227-235
- **PREDICTING ECOSYSTEM RESPONSES TO ELEVATED CO2 CONCENTRATIONS** *BIOSCIENCE*
Mooney, H. A., Drake, B. G., Luxmoore, R. J., Oechel, W. C., Pitelka, L. F.
1991; 41 (2): 96-104
- **EFFECTS OF RAINFALL VARIABILITY AND GOPHER DISTURBANCE ON SERPENTINE ANNUAL GRASSLAND DYNAMICS** *ECOLOGY*
Hobbs, R. J., Mooney, H. A.
1991; 72 (1): 59-68
- **PLANT PHYSIOLOGICAL ECOLOGY - DETERMINANTS OF PROGRESS** *CONF ON NEW DIRECTIONS IN PHYSIOLOGICAL ECOLOGY*
Mooney, H. A.
BLACKWELL SCIENCE LTD.1991: 127-35
- **CONSEQUENCES OF EVOLVING RESISTANCE TO AIR-POLLUTANTS** *SYMP ON ECOLOGICAL GENETICS AND AIR POLLUTION*
Winner, W. E., Coleman, J. S., Gillespie, C., Mooney, H. A., Pell, E. J.
SPRINGER-VERLAG.1991: 177-202
- **RESPONSE OF RADISH TO MULTIPLE STRESSES .1. PHYSIOLOGICAL AND GROWTH-RESPONSES TO CHANGES IN OZONE AND NITROGEN** *INTERNATIONAL CONF ON SEED SCIENCE AND TECHNOLOGY*
Pell, E. J., Winner, W. E., VINTENJOHANSEN, C., Mooney, H. A.
CAMBRIDGE UNIV PRESS.1990: 439-46
- **WATER TRANSPORT-PROPERTIES OF VINE AND TREE STEMS IN A TROPICAL DECIDUOUS FOREST** *AMERICAN JOURNAL OF BOTANY*
Gartner, B. L., Bullock, S. H., Mooney, H. A., Brown, V. B., Whitbeck, J. L.

1990; 77 (6): 742-749

- **EFFECTS OF SOIL RESOURCES ON PLANT INVASION AND COMMUNITY STRUCTURE IN CALIFORNIAN SERPENTINE GRASSLAND** *ECOLOGY*
Huenneke, L. F., Hamburg, S. P., Koide, R., Mooney, H. A., Vitousek, P. M.
1990; 71 (2): 478-491
- **ANTHROPOGENIC STRESS AND NATURAL-SELECTION - VARIABILITY IN RADISH BIOMASS ACCUMULATION INCREASES WITH INCREASING SO₂ DOSE** *CANADIAN JOURNAL OF BOTANY-REVUE CANADIENNE DE BOTANIQUE*
Coleman, J. S., Mooney, H. A., Winner, W. E.
1990; 68 (1): 102-106
- **EFFECTS OF NITROGEN ON PHOTOSYNTHESIS AND GROWTH-RATES OF 4 CALIFORNIA ANNUAL GRASSES** *ACTA OECOLOGICA-INTERNATIONAL JOURNAL OF ECOLOGY*
Hull, J. C., Mooney, H. A.
1990; 11 (4): 453-468
- **THE ECOLOGY AND ECONOMICS OF STORAGE IN PLANTS** *ANNUAL REVIEW OF ECOLOGY AND SYSTEMATICS*
Chapin, F. S., Schulze, E. D., Mooney, H. A.
1990; 21: 423-447
- **exposure and decreasing nitrate availability.** *Oecologia*
Coleman, J. S., Mooney, H. A., Gorham, J. N.
1989; 81 (1): 124-131
- **BIOLOGY OF VINES** *TRENDS IN ECOLOGY & EVOLUTION*
Putz, F. E., Mooney, H. A., Bullock, S. H.
1989; 4 (8): 224-224
- **THE DEPENDENCE OF PLANT-ROOT - SHOOT RATIOS ON INTERNAL NITROGEN CONCENTRATION** *ANNALS OF BOTANY*
Levin, S. A., Mooney, H. A., Field, C.
1989; 64 (1): 71-75
- **CARBON-NUTRIENT BALANCE HYPOTHESIS IN WITHIN-SPECIES PHYTOCHEMICAL VARIATION OF SALIX-LASIOLEPIS** *JOURNAL OF CHEMICAL ECOLOGY*
Price, P. W., Waring, G. L., JULKUNENTIITTO, R., Tahvanainen, J., Mooney, H. A., Craig, T. P.
1989; 15 (4): 1117-1131
- **LEAF, STEM, AND METAMER CHARACTERISTICS OF VINES IN A TROPICAL DECIDUOUS FOREST IN JALISCO, MEXICO** *BIOTROPICA*
Castellanos, A. E., Mooney, H. A., Bullock, S. H., Jones, C., Robichaux, R.
1989; 21 (1): 41-49
- **RELATIONSHIPS AMONG LEAF CONSTRUCTION COST, LEAF LONGEVITY, AND LIGHT ENVIRONMENT IN RAIN-FOREST PLANTS OF THE GENUS PIPER** *AMERICAN NATURALIST*
Williams, K., Field, C. B., Mooney, H. A.
1989; 133 (2): 198-211
- **CARBON ISOTOPE RATIOS OF PLANTS OF A TROPICAL DRY FOREST IN MEXICO** *FUNCTIONAL ECOLOGY*
Mooney, H. A., Bullock, S. H., Ehleringer, J. R.
1989; 3 (2): 137-142
- **RESPONSES OF WILD PLANTS TO NITRATE AVAILABILITY - RELATIONSHIPS BETWEEN GROWTH-RATE AND NITRATE UPTAKE PARAMETERS, A CASE-STUDY WITH 2 BROMUS SPECIES, AND A SURVEY** *OECOLOGIA*
Garnier, E., Koch, G. W., Roy, J., Mooney, H. A.
1989; 79 (4): 542-550
- **EFFECTS OF MULTIPLE STRESSES ON RADISH GROWTH AND RESOURCE-ALLOCATION .1. RESPONSES OF WILD RADISH PLANTS TO A COMBINATION OF SO₂ EXPOSURE AND DECREASING NITRATE AVAILABILITY** *OECOLOGIA*
Coleman, J. S., Mooney, H. A., GORHAM, J. N.
1989; 81 (1): 124-131

- **THE NITROGEN-BALANCE OF RAPHANUS-SATIVUS X RAPHANISTRUM PLANTS .2. GROWTH, NITROGEN REDISTRIBUTION AND PHOTOSYNTHESIS UNDER NO₃- DEPRIVATION** *PLANT CELL AND ENVIRONMENT*
Koch, G. W., Schulze, E. D., PERCIVAL, F., Mooney, H. A., Chu, C.
1988; 11 (8): 755-767
- **TOPOGRAPHIC POSITION EFFECTS ON GROWTH DEPRESSION OF CALIFORNIA SIERRA-NEVADA PINES DURING THE 1982-83 EL-NINO** *ARCTIC AND ALPINE RESEARCH*
Armstrong, J. K., Williams, K., Huenneke, L. F., Mooney, H. A.
1988; 20 (3): 352-357
- **-induced photosynthetic reduction in radish.** *Oecologia*
Mooney, H. A., Küppers, M., KOCH, G., Gorham, J., Chu, C., Winner, W. E.
1988; 75 (4): 502-506
- **fumigation studies with irrigated and unirrigated field grown *Diplacus aurantiacus* and *Heteromeles arbutifolia*.** *Oecologia*
Atkinson, C. J., Winner, W. E., Mooney, H. A.
1988; 75 (3): 386-393
- **COMPENSATING EFFECTS TO GROWTH OF CARBON PARTITIONING CHANGES IN RESPONSE TO SO₂-INDUCED PHOTOSYNTHETIC REDUCTION IN RADISH** *OECOLOGIA*
Mooney, H. A., Kupperts, M., KOCH, G., Gorham, J., Chu, C., Winner, W. E.
1988; 75 (4): 502-506
- **Effects of applications of fungicide, phosphorus and nitrogen on the structure and productivity of an annual serpentine plant community** *FUNCTIONAL ECOLOGY*
Koide, R. T., Huenneke, L. F., Hamburg, S. P., Mooney, H. A.
1988; 2 (3): 335-344
- **COMPENSATING EFFECTS TO GROWTH OF CHANGES IN DRY-MATTER ALLOCATION IN RESPONSE TO VARIATION IN PHOTOSYNTHETIC CHARACTERISTICS INDUCED BY PHOTOPERIOD, LIGHT AND NITROGEN** *AUSTRALIAN JOURNAL OF PLANT PHYSIOLOGY*
Kupperts, M., KOCH, G., Mooney, H. A.
1988; 15 (1-2): 287-298
- **GAS-EXCHANGE AND SO₂ FUMIGATION STUDIES WITH IRRIGATED AND UNIRRIGATED FIELD-GROWN *DIPLACUS-AURANTIACUS* AND *HETEROMELES-ARBUTIFOLIA*** *OECOLOGIA*
Atkinson, C. J., Winner, W. E., Mooney, H. A.
1988; 75 (3): 386-393
- **EFFECTS OF FERTILIZER ADDITION AND SUBSEQUENT GOPHER DISTURBANCE ON A SERPENTINE ANNUAL GRASSLAND COMMUNITY** *OECOLOGIA*
Hobbs, R. J., GULMON, S. L., HOBBS, V. J., Mooney, H. A.
1988; 75 (2): 291-295
- **ESTIMATION OF TISSUE CONSTRUCTION COST FROM HEAT OF COMBUSTION AND ORGANIC NITROGEN-CONTENT** *PLANT CELL AND ENVIRONMENT*
Williams, K., PERCIVAL, F., Merino, J., Mooney, H. A.
1987; 10 (9): 725-734
- **EXCHANGE OF MATERIALS BETWEEN TERRESTRIAL ECOSYSTEMS AND THE ATMOSPHERE** *SCIENCE*
Mooney, H. A., Vitousek, P. M., Matson, P. A.
1987; 238 (4829): 926-932
- **A SYSTEM FOR CONTROLLING THE ROOT AND SHOOT ENVIRONMENT FOR PLANT-GROWTH STUDIES** *ENVIRONMENTAL AND EXPERIMENTAL BOTANY*
Koch, G. W., Winner, W. E., Nardone, A., Mooney, H. A.
1987; 27 (4): 365-377
- **SPATIAL VARIATION IN INOCULUM POTENTIAL OF VESICULAR ARBUSCULAR MYCORRHIZAL FUNGI CAUSED BY FORMATION OF GOPHER MOUNDS** *NEW PHYTOLOGIST*
Koide, R. T., Mooney, H. A.

-
- 1987; 107 (1): 173-182
- **REVEGETATION OF SERPENTINE SUBSTRATES - RESPONSE TO PHOSPHATE APPLICATION** *ENVIRONMENTAL MANAGEMENT*
Koide, R. T., Mooney, H. A.
1987; 11 (4): 563-567
 - **LEAF AND SHOOT DEMOGRAPHY IN BACCHARIS SHRUBS OF DIFFERENT AGES** *AMERICAN JOURNAL OF BOTANY*
Hobbs, R. J., Mooney, H. A.
1987; 74 (7): 1111-1115
 - **THE ECOLOGY OF BIOLOGICAL INVASIONS** *ENVIRONMENT*
Mooney, H. A., Drake, J. A.
1987; 29 (5): 10-?
 - **Nuclear winter debate.** *Science*
EHRlich, A. H., Ehrlich, P. R., Mooney, H. A.
1987; 235 (4791): 832b-?
 - **CONTRASTING MORPHOLOGICAL AND PHYSIOLOGICAL TRAITS OF HELIOTROPIUM-CURASSAVICUM L PLANTS FROM DESERT AND COASTAL POPULATIONS** *ACTA OECOLOGICA-OECOLOGIA PLANTARUM*
Roy, J., Mooney, H. A.
1987; 8 (2): 99-112
 - **Midday wilting in a tropical pioneer tree** *FUNCTIONAL ECOLOGY*
Chiariello, N. R., Field, C. B., Mooney, H. A.
1987; 1 (1): 3-11
 - **GOPHER MOUND SOIL REDUCES GROWTH AND AFFECTS ION UPTAKE OF 2 ANNUAL GRASSLAND SPECIES** *OECOLOGIA*
Koide, R. T., Huenneke, L. F., Mooney, H. A.
1987; 72 (2): 284-290
 - **PLANT PHYSIOLOGICAL ECOLOGY TODAY** *BIOSCIENCE*
Mooney, H. A., Pearcy, R. W., Ehleringer, J.
1987; 37 (1): 18-20
 - **A FIELD PORTABLE GAS-EXCHANGE SYSTEM FOR MEASURING CARBON-DIOXIDE AND WATER-VAPOR EXCHANGE-RATES OF LEAVES DURING FUMIGATION WITH SO₂** *PLANT CELL AND ENVIRONMENT*
Atkinson, C. J., Winner, W. E., Mooney, H. A.
1986; 9 (9): 711-719
 - **BIOMASS ACCUMULATION AND RESOURCE UTILIZATION IN COOCCURRING GRASSLAND ANNUALS** *OECOLOGIA*
Mooney, H. A., Hobbs, R. J., Gorham, J., Williams, K.
1986; 70 (4): 555-558
 - **TISSUE WATER RELATIONS OF 4 COOCCURRING CHAPARRAL SHRUBS** *OECOLOGIA*
Davis, S. D., Mooney, H. A.
1986; 70 (4): 527-535
 - **COMMUNITY CHANGES FOLLOWING SHRUB INVASION OF GRASSLAND** *OECOLOGIA*
Hobbs, R. J., Mooney, H. A.
1986; 70 (4): 508-513
 - **WATER-USE PATTERNS OF 4 COOCCURRING CHAPARRAL SHRUBS** *OECOLOGIA*
Davis, S. D., Mooney, H. A.
1986; 70 (2): 172-177
 - **RESOURCE SHARING AMONG RAMETS IN THE CLONAL HERB, FRAGARIA-CHILOENSIS** *OECOLOGIA*
Alpert, P., Mooney, H. A.
1986; 70 (2): 227-233

- **THE NITROGEN-BALANCE OF RAPHANUS-SATIVUS X RAPHANISTRUM PLANTS .1. DAILY NITROGEN USE UNDER HIGH NITRATE SUPPLY** *PLANT CELL AND ENVIRONMENT*
Schulze, E. D., KOCH, G., PERCIVAL, F., Mooney, H. A., Chu, C.
1985; 8 (9): 713-720
- **on native Hawaiian plants.** *Oecologia*
Winner, W. E., Mooney, H. A.
1985; 66 (3): 387-393
- **Allocation to reproduction in the chaparral shrub, *Diplacus aurantiacus*.** *Oecologia*
Alpert, P., Newell, E. A., Chu, C., Glyphis, J., Gulmon, S. L., Hollinger, D. Y., Johnson, N. D., Mooney, H. A., Puttick, G.
1985; 66 (3): 309-316
- **COMMUNITY AND POPULATION-DYNAMICS OF SERPENTINE GRASSLAND ANNUALS IN RELATION TO GOPHER DISTURBANCE** *OECOLOGIA*
Hobbs, R. J., Mooney, H. A.
1985; 67 (3): 342-351
- **THE CARBON BALANCE OF FLOWERS OF DIPLACUS-AURANTIACUS (SCROPHULARIACEAE)** *OECOLOGIA*
Williams, K., Koch, G. W., Mooney, H. A.
1985; 66 (4): 530-535
- **RESOURCE LIMITATION IN PLANTS - AN ECONOMIC ANALOGY** *ANNUAL REVIEW OF ECOLOGY AND SYSTEMATICS*
Bloom, A. J., Chapin, F. S., Mooney, H. A.
1985; 16: 363-392
- **VEGETATIVE REGROWTH FOLLOWING CUTTING IN THE SHRUB BACCHARIS-PILULARIS SSP CONSANGUINEA (DC) WOLF,C.B.** *AMERICAN JOURNAL OF BOTANY*
Hobbs, R. J., Mooney, H. A.
1985; 72 (4): 514-519
- **ECOLOGY OF SO2 RESISTANCE .5. EFFECTS OF VOLCANIC SO2 ON NATIVE HAWAIIAN PLANTS** *OECOLOGIA*
Winner, W. E., Mooney, H. A.
1985; 66 (3): 387-393
- **ALLOCATION TO REPRODUCTION IN THE CHAPARRAL SHRUB, DIPLACUS-AURANTIACUS** *OECOLOGIA*
Alpert, P., Newell, E. A., Chu, C., GLYPHIS, J., GULMON, S. L., Hollinger, D. Y., Johnson, N. D., Mooney, H. A., PUTTICK, G.
1985; 66 (3): 309-316
- **COMPARATIVE WATER RELATIONS OF ADJACENT CALIFORNIA SHRUB AND GRASSLAND COMMUNITIES** *OECOLOGIA*
Davis, S. D., Mooney, H. A.
1985; 66 (4): 522-529
- **Herbivory on *Diplacus aurantiacus* shrubs in sun and shade.** *Oecologia*
Lincoln, D. E., Mooney, H. A.
1984; 64 (2): 173-176
- **CONSTRUCTION AND MAINTENANCE COSTS OF MEDITERRANEAN-CLIMATE EVERGREEN AND DECIDUOUS LEAVES .2. BIOCHEMICAL PATHWAY ANALYSIS** *ACTA OECOLOGICA-OECOLOGIA PLANTARUM*
Merino, J., Field, C., Mooney, H. A.
1984; 5 (3): 211-229
- **THE SEASONAL DYNAMICS OF LEAF RESIN, NITROGEN, AND HERBIVORE DAMAGE IN ERIODICTYON-CALIFORNICUM AND THEIR PARALLELS IN DIPLACUS-AURANTIACUS** *OECOLOGIA*
Johnson, N. D., Chu, C. C., Ehrlich, P. R., Mooney, H. A.
1984; 61 (3): 398-402
- **HERBIVORY ON DIPLACUS-AURANTIACUS SHRUBS IN SUN AND SHADE** *OECOLOGIA*
Lincoln, D. E., Mooney, H. A.
1984; 64 (2): 173-176

- **ENVIRONMENTAL CONTROLS ON STOMATAL CONDUCTANCE IN A SHRUB OF THE HUMID TROPICS** *PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA-BIOLOGICAL SCIENCES*
Mooney, H. A., Field, C., YANES, C. V., Chu, C.
1983; 80 (5): 1295-1297
- **LONG-TERM BIOLOGICAL CONSEQUENCES OF NUCLEAR-WAR** *SCIENCE*
Ehrlich, P. R., Harte, J., Harwell, M. A., Raven, P. H., Sagan, C., Woodwell, G. M., Berry, J., AYENSU, E. S., EHRlich, A. H., Eisner, T., Gould, S. J., GROVER, H. D., Herrera, et al
1983; 222 (4630): 1293-1300
- **RELATIONSHIP BETWEEN FORM, FUNCTION, AND DISTRIBUTION OF 2 ARCTOSTAPHYLOS SPECIES (ERICACEAE) AND THEIR PUTATIVE HYBRIDS** *ACTA OECOLOGICA-OECOLOGIA PLANTARUM*
BALL, C. T., Keeley, J., Mooney, H., Seemann, J., Winner, W.
1983; 4 (2): 153-164
- **CARBON-GAINING CAPACITY AND ALLOCATION PATTERNS OF MEDITERRANEAN-CLIMATE PLANTS** *ECOLOGICAL STUDIES*
Mooney, H. A.
1983; 43: 103-119
- **PHYSIOLOGICAL CONSTRAINTS ON PLANT-CHEMICAL DEFENSES** *ACS SYMPOSIUM SERIES*
Mooney, H. A., GULMON, S. L., Johnson, N. D.
1983; 208: 21-36
- **PHENOLOGY AND RESOURCE USE IN 3 CO-OCCURRING GRASSLAND ANNUALS** *OECOLOGIA*
GULMON, S. L., Chiariello, N. R., Mooney, H. A., Chu, C. C.
1983; 58 (1): 33-42
- **STOMATAL RESPONSES TO HUMIDITY OF COASTAL AND INTERIOR POPULATIONS OF A CALIFORNIAN SHRUB** *OECOLOGIA*
Mooney, H. A., Chu, C.
1983; 57 (1-2): 148-150
- **COMPROMISES BETWEEN WATER-USE EFFICIENCY AND NITROGEN-USE EFFICIENCY IN 5 SPECIES OF CALIFORNIA EVERGREENS** *OECOLOGIA*
Field, C., Merino, J., Mooney, H. A.
1983; 60 (3): 384-389
- **PHOTOSYNTHETIC CHARACTERISTIC OF SOUTH-AFRICAN SCLEROPHYLLS** *OECOLOGIA*
Mooney, H. A., Field, C., GULMON, S. L., Rundel, P., Kruger, F. J.
1983; 58 (3): 398-401
- **LEAF AGE AND SEASONAL EFFECTS ON LIGHT, WATER, AND NITROGEN USE EFFICIENCY IN A CALIFORNIA SHRUB** *OECOLOGIA*
Field, C., Mooney, H. A.
1983; 56 (2-3): 348-355
- **PHOTOSYNTHETIC CHARACTERISTICS OF PLANTS OF A CALIFORNIAN COOL COASTAL ENVIRONMENT** *OECOLOGIA*
Mooney, H. A., Field, C., Williams, W. E., Berry, J. A., Bjorkman, O.
1983; 57 (1-2): 38-42
- **EXTINCTION, SUBSTITUTION, AND ECOSYSTEM SERVICES** *BIOSCIENCE*
Ehrlich, P. R., Mooney, H. A.
1983; 33 (4): 248-254
- **A PORTABLE SYSTEM FOR MEASURING CARBON-DIOXIDE AND WATER-VAPOR EXCHANGE OF LEAVES** *PLANT CELL AND ENVIRONMENT*
Field, C., Berry, J. A., Mooney, H. A.
1982; 5 (2): 179-186
- **resistance : IV. Predicting metabolic responses of fumigated shrubs and trees.** *Oecologia*
Winner, W. E., Koch, G. W., Mooney, H. A.
1982; 52 (1): 16-21

- **exchange analysis.** *Oecologia*
Merino, J., Field, C., Mooney, H. A.
1982; 53 (2): 208-213
- **ENDOMYCORRHIZAL ROLE FOR INTERSPECIFIC TRANSFER OF PHOSPHORUS IN A COMMUNITY OF ANNUAL PLANTS** *SCIENCE*
Chiariello, N., HICKMAN, J. C., Mooney, H. A.
1982; 217 (4563): 941-943
- **ECOLOGY OF SO₂ RESISTANCE .4. PREDICTING METABOLIC RESPONSES OF FUMIGATED SHRUBS AND TREES** *OECOLOGIA*
Winner, W. E., Koch, G. W., Mooney, H. A.
1982; 52 (1): 16-21
- **PHYSIOLOGICAL ADAPTATION AND PLASTICITY TO WATER-STRESS OF COASTAL AND DESERT POPULATIONS OF HELIOTROPIMUM-CURASSAVICUM L** *OECOLOGIA*
Roy, J., Mooney, H. A.
1982; 52 (3): 370-375
- **CONSTRAINTS ON LEAF STRUCTURE AND FUNCTION IN REFERENCE TO HERBIVORY** *BIOSCIENCE*
Mooney, H. A., GULMON, S. L.
1982; 32 (3): 198-?
- **CONSTRUCTION AND MAINTENANCE COSTS OF MEDITERRANEAN-CLIMATE EVERGREEN AND DECIDUOUS LEAVES .1. GROWTH AND CO₂ EXCHANGE ANALYSIS** *OECOLOGIA*
Merino, J., Field, C., Mooney, H. A.
1982; 53 (2): 208-213
- **Parallel evolution of leaf pubescence in Encelia in coastal deserts of North and South America.** *Oecologia*
Ehleringer, J., Mooney, H. A., Gulmon, S. L., Rundel, P. W.
1981; 49 (1): 38-41
- **PHOTOSYSTEM-II PHOTOSYNTHETIC UNIT SIZES FROM FLUORESCENCE INDUCTION IN LEAVES - CORRELATION TO PHOTOSYNTHETIC CAPACITY** *PLANT PHYSIOLOGY*
MALKIN, S., ARMOND, P. A., Mooney, H. A., FORK, D. C.
1981; 67 (3): 570-579
- **RATES OF EMISSION OF H₂S FROM PLANTS AND PATTERNS OF STABLE SULFUR ISOTOPE FRACTIONATION** *NATURE*
Winner, W. E., Smith, C. L., Koch, G. W., Mooney, H. A., Bewley, J. D., Krouse, H. R.
1981; 289 (5799): 672-673
- **PARALLEL EVOLUTION OF LEAF PUBESCENCE IN ENCELIA IN COASTAL DESERTS OF NORTH-AMERICA AND SOUTH-AMERICA** *OECOLOGIA*
Ehleringer, J., Mooney, H. A., GULMON, S. L., RUNDEL, P. W.
1981; 49 (1): 38-41
- **PHOTOSYNTHETIC CAPACITY IN RELATION TO LEAF POSITION IN DESERT VERSUS OLD-FIELD ANNUALS** *OECOLOGIA*
Mooney, H. A., Field, C., GULMON, S. L., Bazzaz, F. A.
1981; 50 (1): 109-112
- **TEMPORAL AND SPATIAL VARIABILITY IN THE INTERACTION BETWEEN THE CHECKERSPOT BUTTERFLY, EUPHYDRYAS-CHALCEDONA AND ITS PRINCIPAL FOOD SOURCE, THE CALIFORNIAN SHRUB, DIPLACUS-AURANTIACUS** *OECOLOGIA*
Mooney, H. A., Williams, K. S., Lincoln, D. E., Ehrlich, P. R.
1981; 50 (2): 195-198
- **fumigations.** *Oecologia*
Winner, W. E., Mooney, H. A.
1980; 46 (1): 49-54
- **ENVIRONMENTAL CONTROLS ON THE SEASONALITY OF A DROUGHT DECIDUOUS SHRUB, DIPLACUS-AURANTIACUS AND ITS PREDATOR, THE CHECKERSPOT BUTTERFLY, EUPHYDRYAS-CHALCEDONA** *OECOLOGIA*
Mooney, H. A., Ehrlich, P. R., Lincoln, D. E., Williams, K. S.

1980; 45 (2): 143-146

- **ATMOSPHERIC WATER-UPTAKE BY AN ATACAMA DESERT SHRUB** *SCIENCE*
Mooney, H. A., GULMON, S. L., Ehleringer, J., RUNDEL, P. W.
1980; 209 (4457): 693-694
- **RESPONSES OF HAWAIIAN PLANTS TO VOLCANIC SULFUR-DIOXIDE - STOMATAL BEHAVIOR AND FOLIAR INJURY** *SCIENCE*
Winner, W. E., Mooney, H. A.
1980; 210 (4471): 789-791
- **FURTHER OBSERVATIONS ON THE WATER RELATIONS OF PROSOPIS-TAMARUGO OF THE NORTHERN ATACAMA DESERT** *OECOLOGIA*
Mooney, H. A., GULMON, S. L., RUNDEL, P. W., Ehleringer, J.
1980; 44 (2): 177-180
- **STUDY OF THE PHYSIOLOGICAL ECOLOGY OF TROPICAL PLANTS - CURRENT STATUS AND NEEDS** *BIOSCIENCE*
Mooney, H. A., Bjorkman, O., Hall, A. E., Medina, E., TOMLINSON, P. B.
1980; 30 (1): 22-26
- **ECOLOGY OF SO₂ RESISTANCE .1. EFFECTS OF FUMIGATIONS ON GAS-EXCHANGE OF DECIDUOUS AND EVERGREEN SHRUBS** *OECOLOGIA*
Winner, W. E., Mooney, H. A.
1980; 44 (3): 290-295
- **ORIENTATION AND ITS CONSEQUENCES FOR COPIAPOA (CACTACEAE) IN THE ATACAMA DESERT** *OECOLOGIA*
Ehleringer, J., Mooney, H. A., GULMON, S. L., Rundel, P.
1980; 46 (1): 63-67
- **ECOLOGY OF SO₂ RESISTANCE .2. PHOTOSYNTHETIC CHANGES OF SHRUBS IN RELATION TO SO₂ ABSORPTION AND STOMATAL BEHAVIOR** *OECOLOGIA*
Winner, W. E., Mooney, H. A.
1980; 44 (3): 296-302
- **MATERIALS AND METHODS FOR CARBON-DIOXIDE AND WATER EXCHANGE ANALYSIS** *PLANT CELL AND ENVIRONMENT*
Bloom, A. J., Mooney, H. A., Bjorkman, O., Berry, J.
1980; 3 (5): 371-375
- **ECOLOGY OF SO₂ RESISTANCE .3. METABOLIC CHANGES OF C-3 AND C-4 ATRIPLEX SPECIES DUE TO SO₂ FUMIGATIONS** *OECOLOGIA*
Winner, W. E., Mooney, H. A.
1980; 46 (1): 49-54
- **PATTERNS OF DROUGHT RESPONSE IN LEAF-SUCCULENT SHRUBS OF THE COASTAL ATACAMA DESERT IN NORTHERN CHILE** *OECOLOGIA*
RUNDEL, P. W., Ehleringer, J., Mooney, H. A., GULMON, S. L.
1980; 46 (2): 196-200
- **PHOTOSYNTHETIC PLASTICITY OF POPULATIONS OF HELIOTROPIUM-CURASSAVICUM L ORIGINATING FROM DIFFERING THERMAL REGIMES** *OECOLOGIA*
Mooney, H. A.
1980; 45 (3): 372-376
- **PHOTOSYNTHESIS AND MICROCLIMATE OF CAMISSONIA-CLAVIFORMIS, A DESERT WINTER ANNUAL** *ECOLOGY*
Ehleringer, J., Mooney, H. A., Berry, J. A.
1979; 60 (2): 280-286
- **resistance: I. Effects of fumigations on gas exchange of deciduous and evergreen shrubs.** *Oecologia*
Winner, W. E., Mooney, H. A.
1979; 44 (3): 290-295
- **absorption and stomatal behavior.** *Oecologia*
Winner, W. E., Mooney, H. A.

-
- 1979; 44 (3): 296-302
- **SPATIAL RELATIONSHIPS AND COMPETITION IN A CHILEAN DESERT CACTUS** *OECOLOGIA*
GULMON, S. L., RUNDEL, P. W., Ehleringer, J. R., Mooney, H. A.
1979; 44 (1): 40-43
 - **WATER RELATIONS OF SOME DESERT PLANTS IN DEATH-VALLEY, CALIFORNIA** *FLORA*
BENNERT, W. H., Mooney, H. A.
1979; 168 (4): 405-427
 - **RESISTANCE TO WATER TRANSFER IN DESERT SHRUBS NATIVE TO DEATH-VALLEY, CALIFORNIA** *PHYSIOLOGIA PLANTARUM*
SANCHEZDIAZ, M. F., Mooney, H. A.
1979; 46 (2): 139-146
 - **NUTRIENT RELATIONS OF THE EVERGREEN SHRUB, ADENOSTOMA-FASCICULATUM, IN THE CALIFORNIA CHAPARRAL** *BOTANICAL GAZETTE*
Mooney, H. A., RUNDEL, P. W.
1979; 140 (1): 109-113
 - **PHOTOSYNTHETIC ACCLIMATION TO TEMPERATURE IN DESERT SHRUB, LARREA-DIVARICATA .1. CARBON-DIOXIDE EXCHANGE CHARACTERISTICS OF INTACT LEAVES** *PLANT PHYSIOLOGY*
Mooney, H. A., Bjorkman, O., Collatz, G. J.
1978; 61 (3): 406-410
 - **CONVERGENCE VERSUS NON-CONVERGENCE IN MEDITERRANEAN-CLIMATE ECOSYSTEMS** *ANNUAL REVIEW OF ECOLOGY AND SYSTEMATICS*
Cody, M. L., Mooney, H. A.
1978; 9: 265-321
 - **LEAF HAIRS - EFFECTS ON PHYSIOLOGICAL-ACTIVITY AND ADAPTIVE VALUE TO A DESERT SHRUB** *OECOLOGIA*
Ehleringer, J. R., Mooney, H. A.
1978; 37 (2): 183-200
 - **ENVIRONMENTAL ADAPTATIONS OF ATACAMAN DESERT CACTUS COPIAPOA-HASELTONIANA** *FLORA*
Mooney, H. A., WEISSER, P. J., GULMON, S. L.
1977; 166 (2): 117-124
 - **VARIABLE CARBON ISOTOPE RATIOS OF DUDLEYA SPECIES GROWING IN NATURAL ENVIRONMENTS** *OECOLOGIA*
TROUGHTON, J. H., Mooney, H. A., Berry, J. A., Verity, D.
1977; 30 (4): 307-311
 - **CARBON ISOTOPE RATIO MEASUREMENTS OF SUCCULENT PLANTS IN SOUTHERN-AFRICA** *OECOLOGIA*
Mooney, H. A., TROUGHTON, J. H., Berry, J. A.
1977; 30 (4): 295-305
 - **ENERGY-BALANCE OF LEAVES OF EVERGREEN DESERT SHRUB ATRIPLEX-HYMENELYTRA** *OECOLOGIA*
Mooney, H. A., Ehleringer, J., Bjorkman, O.
1977; 29 (4): 301-310
 - **SPATIAL AND TEMPORAL RELATIONSHIPS BETWEEN 2 DESERT SHRUBS, ATRIPLEX-HYMENELYTRA AND TIDESTROMIA-OBLONGIFOLIA IN DEATH-VALLEY, CALIFORNIA** *JOURNAL OF ECOLOGY*
GULMON, S. L., Mooney, H. A.
1977; 65 (3): 831-838
 - **HIGH PHOTOSYNTHETIC CAPACITY OF A WINTER ANNUAL IN DEATH-VALLEY** *SCIENCE*
Mooney, H. A., Ehleringer, J., Berry, J. A.
1976; 194 (4262): 322-324
 - **LEAF PUBESCENCE - EFFECTS ON ABSORPTANCE AND PHOTOSYNTHESIS IN A DESERT SHRUB** *SCIENCE*
Ehleringer, J., Bjorkman, O., Mooney, H. A.
1976; 192 (4237): 376-377

- **ENVIRONMENTAL LIMITATIONS OF PHOTOSYNTHESIS ON A CALIFORNIA EVERGREEN SHRUB** *OECOLOGIA*
Mooney, H. A., Harrison, A. T., Morrow, P. A.
1975; 19 (4): 293-301
- **MECHANISM OF MONOTERPENE VOLATILIZATION IN SALVIA-MELLIFERA** *PHYTOCHEMISTRY*
DEMENT, W. A., TYSON, B. J., Mooney, H. A.
1975; 14 (12): 2555-2557
- **ADAPTATION TO SERPENTINE SOILS IN CALIFORNIA OF ANNUAL SPECIES LINANTHUS-ANDROSACEUS (POLEMONIACEAE)** *BULLETIN OF THE TORREY BOTANICAL CLUB*
WOODELL, S. R., Mooney, H. A., Lewis, H.
1975; 102 (5): 232-238
- **Seasonal variation in the production of tannins and cyanogenic glucosides in the chaparral shrub, *Heteromeles arbutifolia*.** *Oecologia*
Dement, W. A., Mooney, H. A.
1974; 15 (1): 65-76
- **SEASONAL CARBON ALLOCATION IN HETEROMELES-ARBUTIFOLIA, A CALIFORNIA EVERGREEN SHRUB** *OECOLOGIA*
Mooney, H. A., Chu, C.
1974; 14 (4): 295-306
- **PHOTOSYNTHETIC MECHANISMS AND PALEOECOLOGY FROM CARBON ISOTOPE RATIOS IN ANCIENT SPECIMENS OF C4 AND CAM PLANTS** *SCIENCE*
TROUGHTON, J. H., Wells, P. V., Mooney, H. A.
1974; 185 (4151): 610-612
- **COMPARATIVE PHOTOSYNTHETIC CAPACITIES OF INTERTIDAL ALGAE UNDER EXPOSED AND SUBMERGED CONDITIONS** *ECOLOGY*
JOHNSON, W. S., Gigon, A., GULMON, S. L., Mooney, H. A.
1974; 55 (2): 450-453
- **VOLATILIZATION OF TERPENES FROM SALVIA-MELLIFERA** *NATURE*
TYSON, B. J., DEMENT, W. A., Mooney, H. A.
1974; 252 (5479): 119-120
- **SEASONAL-CHANGES IN NET PHOTOSYNTHESIS OF ATRIPLEX-HYMENELYTRA SHRUBS GROWING IN DEATH-VALLEY, CALIFORNIA** *OECOLOGIA*
Pearcy, R. W., Harrison, A. T., Mooney, H. A., Bjorkman, O.
1974; 17 (2): 111-119
- **COMPARATIVE CARBON BALANCE AND REPRODUCTIVE MODES OF 2 CALIFORNIAN AESCULUS SPECIES** *BOTANICAL GAZETTE*
Mooney, H. A., Bartholomew, B.
1974; 135 (4): 306-313
- **SEASONAL-VARIATION IN PRODUCTION OF TANNINS AND CYANOGENIC GLUCOSIDES IN CHAPARRAL SHRUB, HETEROMELES-ARBUTIFOLIA** *OECOLOGIA*
DEMENT, W. A., Mooney, H. A.
1974; 15 (1): 65-76
- **DROUGHT ADAPTATIONS IN 2 CALIFORNIAN-EVERGREEN-SCLEROPHYLLS** *OECOLOGIA*
Morrow, P. A., Mooney, H. A.
1974; 15 (3): 205-222
- **CARBOHYDRATE STORAGE CYCLES IN 2 CALIFORNIAN MEDITERRANEAN-CLIMATE TREES** *FLORA*
Mooney, H. A., HAYS, R. I.
1973; 162 (3): 295-304
- **PHOTOSYNTHETIC ADAPTATION TO HIGH-TEMPERATURES - FIELD STUDY IN DEATH VALLEY, CALIFORNIA** *SCIENCE*
Bjorkman, O., Pearcy, R. W., Mooney, H., Harrison, A. T.
1972; 175 (4023): 786-?

- **MOBILE LABORATORY FOR GAS EXCHANGE MEASUREMENTS** *PHOTOSYNTHETICA*
Mooney, H. A., Dunn, E. L., Harrison, A. T., Morrow, P. A., Bartholomew, B., Hays, R. L.
1971; 5 (2): 128-?
- **EFFECT OF SEA WATER ON CARBON DIOXIDE EXCHANGE BY HALOPHYTE LIMONIUM-CALIFORNICUM (BOISS) HELLER** *ANNALS OF BOTANY*
WOODELL, S. R., Mooney, H. A.
1970; 34 (134): 117-?
- **CONVERGENT EVOLUTION OF MEDITERRANEAN-CLIMATE EVERGREEN SCLEROPHYLL SHRUBS** *EVOLUTION*
Mooney, H. A., Dunn, E. L.
1970; 24 (2): 292-?
- **BEHAVIOUR OF LARREA DIVARICATA (CREOSOTE BUSH) IN RESPONSE TO RAINFALL IN CALIFORNIA** *JOURNAL OF ECOLOGY*
WOODELL, S. R., Mooney, H. A., Hill, A. J.
1969; 57 (1): 37-?
- **TRANSPIRATION INTENSITY AS RELATED TO VEGETATION ZONATION IN WHITE MOUNTAINS OF CALIFORNIA** *AMERICAN MIDLAND NATURALIST*
Mooney, H. A., Brayton, R., West, M.
1968; 80 (2): 407-?
- **ECOLOGY OF ARCTIC AND ALPINE PLANTS** *BIOLOGICAL REVIEWS OF THE CAMBRIDGE PHILOSOPHICAL SOCIETY*
BILLINGS, W. D., Mooney, H. A.
1968; 43 (4): 481-?
- **WINTERTIME PHOTOSYNTHESIS OF BRISTLECONE PINE (PINUS ARISTATA) IN WHITE MOUNTAINS OF CALIFORNIA** *ECOLOGY*
Schulze, E. D., Mooney, H. A., Dunn, E. L.
1967; 48 (6): 1044-?
- **FIELD MEASUREMENTS OF METABOLIC RESPONSES OF BRISTLECONE PINE AND BIG SAGEBRUSH IN WHITE MOUNTAINS OF CALIFORNIA** *BOTANICAL GAZETTE*
Mooney, H. A., West, M., Brayton, R.
1966; 127 (2-3): 105-?
- **POPULATION VARIABILITY OF CERCOCARPUS IN WHITE MOUNTAINS OF CALIFORNIA AS RELATED TO HABITAT** *EVOLUTION*
Brayton, R., Mooney, H. A.
1966; 20 (3): 383-?
- **PINYON WOODLAND ZONE IN WHITE MOUNTAINS OF CALIFORNIA** *AMERICAN MIDLAND NATURALIST*
STANDRE, G., Mooney, H. A., Wright, R. D.
1965; 73 (1): 225-?
- **TRANSPIRATION RATES OF ALPINE PLANTS IN SIERRA NEVADA OF CALIFORNIA** *AMERICAN MIDLAND NATURALIST*
Mooney, H. A., Hillier, R. D., BILLINGS, W. D.
1965; 74 (2): 374-?
- **SUBSTRATE-ORIENTED DISTRIBUTION OF BRISTLECONE PINE IN WHITE MOUNTAINS OF CALIFORNIA** *AMERICAN MIDLAND NATURALIST*
Wright, R. D., Mooney, H. A.
1965; 73 (2): 257-?
- **COMPARATIVE PHYSIOLOGICAL ECOLOGY OF ARCTIC AND ALPINE POPULATIONS OF OXYRIA DIGYNA** *ECOLOGICAL MONOGRAPHS*
Mooney, H. A., BILLINGS, W. D.
1961; 31 (1): 1-?
- **THE ANNUAL CARBOHYDRATE CYCLE OF ALPINE PLANTS AS RELATED TO GROWTH** *AMERICAN JOURNAL OF BOTANY*
Mooney, H. A., BILLINGS, W. D.
1960; 47 (7): 594-598

- **AN APPARENT FROST HUMMOCK-SORTED POLYGON CYCLE IN THE ALPINE TUNDRA OF WYOMING** *ECOLOGY*
BILLINGS, W. D., Mooney, H. A.
1959; 40 (1): 16-20